

SONY®

DIGITAL VIDEOCASSETTE RECORDER

DVW-A500P

DVW-500P

DVW-A500P/1

DVW-500P/1

ANALOG COMPOSITE DECODER BOARD
BKDW-506

CONTROL PANEL CASE
BKDW-511

AUDIO PROGRAM PLAY BOARD
BKDW-507

CONTROL PANEL
BKDW-514

PARALLEL (50P) INTERFACE KIT
BKDW-509

CONTROL PANEL
BKDW-515

CONTROL PANEL EXTENSION KIT
BKDW-510

Digital BETACAM™

MAINTENANCE MANUAL Part 2

Volume 4 1st Edition (Revised 5)

警告

このマニュアルは、サービス専用です。

お客様が、このマニュアルに記載された設置や保守、点検、修理などを行うと感電や火災、人身事故につながる可能性があります。

危険をさけるため、サービストレーニングを受けた技術者のみご使用ください。

WARNING

This manual is intended for qualified service personnel only.

To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

WARNUNG

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.

Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegeben Wartungsarbeiten dürfen nur von Personen ausgeführt werden, die eine spezielle Befähigung dazu besitzen.

AVERTISSEMENT

Ce manuel est destiné uniquement aux personnes compétentes en charge de l'entretien. Afin de réduire les risques de décharge électrique, d'incendie ou de blessure n'effectuer que les réparations indiquées dans le mode d'emploi à moins d'être qualifié pour en effectuer d'autres. Pour toute réparation faire appel à une personne compétente uniquement.

DVW-A500P (EK)	Serial No. 10001 and Higher
DVW-A500P (UC)	Serial No. 10001 and Higher
DVW-500P (EK)	Serial No. 10001 and Higher
DVW-500P (UC)	Serial No. 10001 and Higher
DVW-A500P/1 (EK)	Serial No. 50001 and Higher
DVW-A500P/1 (UC)	Serial No. 50001 and Higher
DVW-500P/1 (EK)	Serial No. 50001 and Higher
DVW-500P/1 (UC)	Serial No. 50001 and Higher
BKDW-506	Serial No. 10001 and Higher
BKDW-507	Serial No. 10001 and Higher
BKDW-509	Serial No. 10001 and Higher
BKDW-510	
BKDW-511	
BKDW-514	Serial No. 10001 and Higher
BKDW-515	Serial No. 10001 and Higher

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Manual Structure

Purpose of this manual

This manual is maintenance manual of the following products.

Product

VTR: DVW-A500P, DVW-500P, DVW-A500P/1, DVW-500P/1

Optional equipments: BKDW-506, BKDW-507, BKDW-509, BKDW-510,
BKDW-511, BKDW-514, BKDW-515

This manual describes the information items (adjustment, board layouts, schematic diagrams, detailed parts list, etc.) that premise the service based on the component parts.

Contents

The following is a summary of all the sections for understanding the contents of this manual.

Maintenance Manual Part 2, Volume 4

Section 1 Schematic Diagrams for Recorder

Describes the schematic diagrams of the recorder.
(DVW-A500P, 500P, A500P/1, 500P/1)

Section 2 Schematic Diagram for Optional Boards

Describes the schematic diagrams of the optional boards for recorder.
(BKDW-506, 507, 509, 514, 515)

(continue)

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	Section 3 Block Diagrams and Circuit Descriptions
	Section 4 Error Messages and Troubleshooting
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	Section 6 Replacement of Power Block and Circuit Boards
	Section 7 Periodic Maintenance and Inspection
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	Section 9 Spare Parts

^{*1}: There are two types manual for Maintenance Manual Part 1: Recorder (DVW-A500P, 500P, A500P/1, 500P/1) and player (DVW-A510P, 510P, CA510P).

Section 1

Schematic Diagrams for Recorder

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-DUS-XXX BOARD-

The DUS-XXX board is added to supplement the function of main board.

DUS-194	(CUE-1; 1-648-537-32)
	(CUE-1AP; 1-648-537-12)
DUS-679	(TBC-23; 1-648-543-11, 12)
DUS-680	(EQ-45A; 1-648-536-11)
DUS-682	(EQ-45A; 1-648-536-11)
DUS-687	(SS-52; 1-648-535-21)
	(SS-52A; 1-648-535-11)
DUS-690	(VPR-1; 1-648-532-11)
DUS-691	(VPR-1; 1-648-532-11)
DUS-694	(SS-52; 1-648-535-21)
	(SS-52A; 1-648-535-11)
DUS-700	(VPR-1; 1-648-532-11)
DUS-706	(DPR-36; 1-648-533-11)
DUS-708	(DPR-36; 1-648-533-11)
DUS-709	(EQ-45; 1-648-536-22)
	(EQ-45A; 1-648-536-11, 12)
DUS-710	(DM-89; 1-648-541-11, 12)
	(VPR-1; 1-648-532-13)
DUS-711	(EQ-45; 1-648-536-22)
	(EQ-45A; 1-648-536-11, 12)
DUS-712	(DPR-36; 1-648-533-11)
DUS-723	(CUE-1AP; 1-648-537-11)
DUS-724	(VPR-1; 1-648-532-11)
DUS-727	(DM-89; 1-648-541-12)
DUS-728	(FP-58; 1-648-551-11)
DUS-741	(DR-200; 1-648-559-12)
DUS-769	(VPR-1; 1-648-532-12)
DUS-840	(VPR-1; 1-648-532-14)

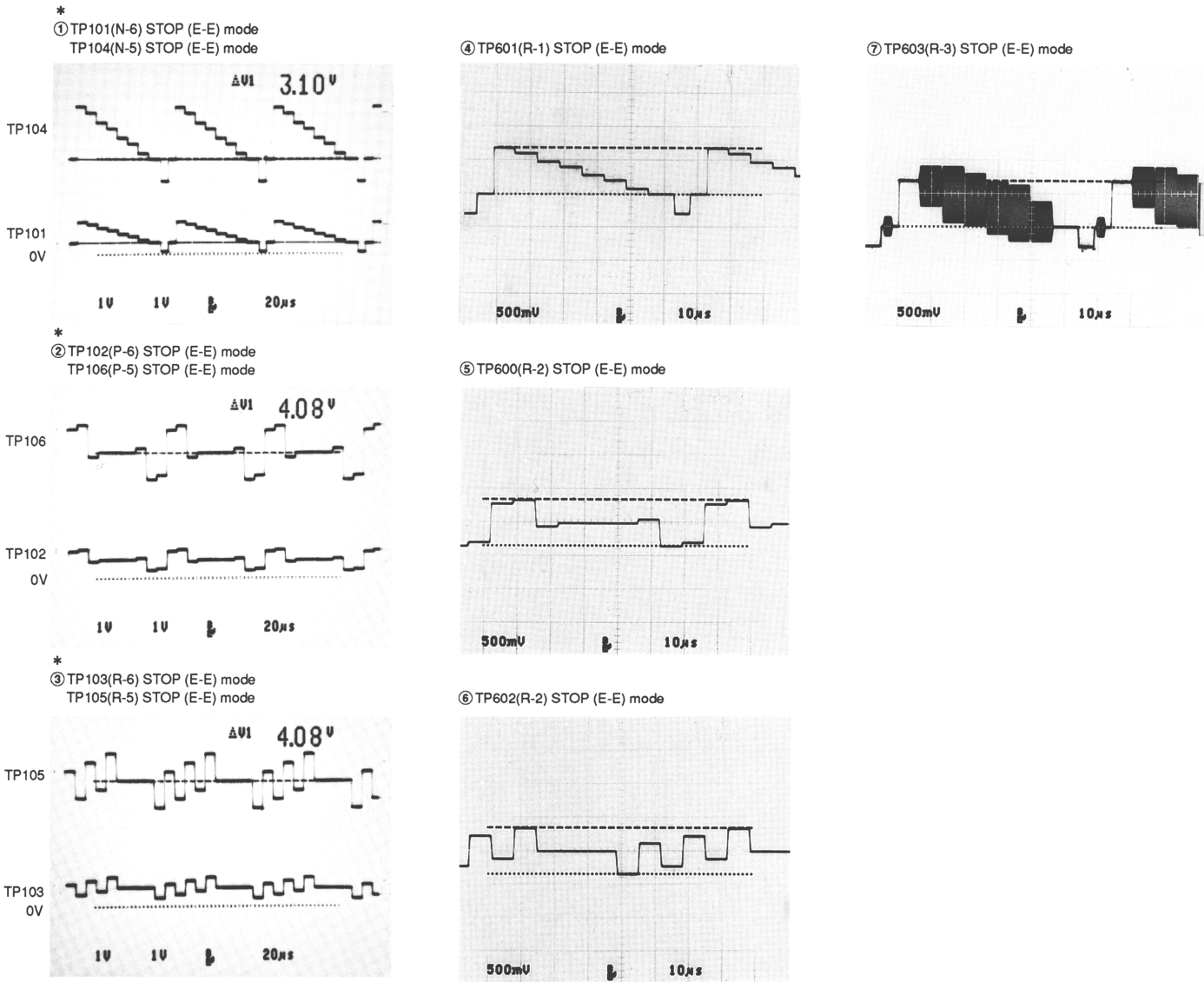
Note

The \triangle -marked components are critical to safety.
Replace only with same components as specified.

Circuit Function of Printed Circuit Board

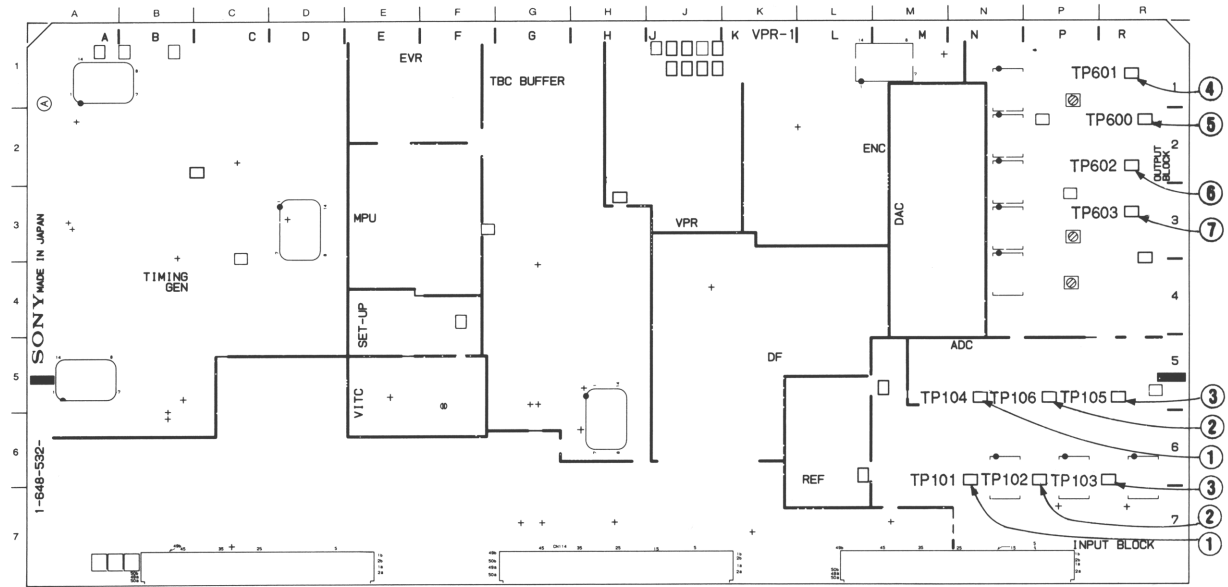
System configuration	Board name	Circuit Function
Digital process	VPR-1	Video signal processor, A/D, D/A, Reference clock generator, Composite encoder
	APR-1	Audio signal processor, A/D, D/A, AES/EBU interface
	DIF-16 (inc. VI-2)	4:2:2 component serial digital I/O interface with Embedded audio
	DPR-36	Digital data processor (Encode/Decode, Error correction)
RF, Analog process	EQ-45A (DVW-A500P)	RF equalizer (REC current control, PB EQ), Betacam PB buffer
	EQ-45 (DVW-500P)	RF equalizer (REC current control, PB EQ)
	CUE-1AP (DVW-A500P)	CUE REC/PB, LTC REC/PB, and LAU PB circuits, CUE/LTC/FULL erase OSC
	CUE-1 (DVW-500P)	CUE REC/PB and LTC REC/PB circuits, CUE/LTC/FULL erase OSC
Betacam playback (DVW-A500P)	DM-89	RF demodulator
	TBC-24	TBC (A/D conversion & Write clock generate blocks)
	TBC-23	TBC (Sequence & Reference blocks)
	AP-28	AFM demodulator & LAU noise reduction
System/servo control	SS-52A (DVW-A500P)	System, Servo, Analog/Digital DT control
	SS-52 (DVW-500P)	System, Servo, Digital DT control
	DT-34	DT driver
	DR-307/200	Motors driver (Drum, Capstan, T/S reels, Threading, Reel shift, Cassette up/down), Solenoids driver (Pinch, T/S brake, Cleaning), Degaussing head driver
Mech.deck driver/sensor	CCM-15	Threading motor/Reel shift motor
	PD-35	Pinch solenoid connection
	PTC-54	Threading FG
	PTC-59	Cassette's tabs sensor
	PTC-71	Reel position sensor
	RM-82	T/S reel motor
	RM-141	T reel motor
	SE-228	T/S reel FG
	TR-78	S tension sensor
	TR-79	T tension sensor, Thread/unthread end sensor
Cassette compartment driver/sensor	CL-29	Cassette up/down motor, Cassette down sensor
	LP-81	Lamp of cassette comparatment
	PC-70	Cassette-in sensor, Cassette size sensor

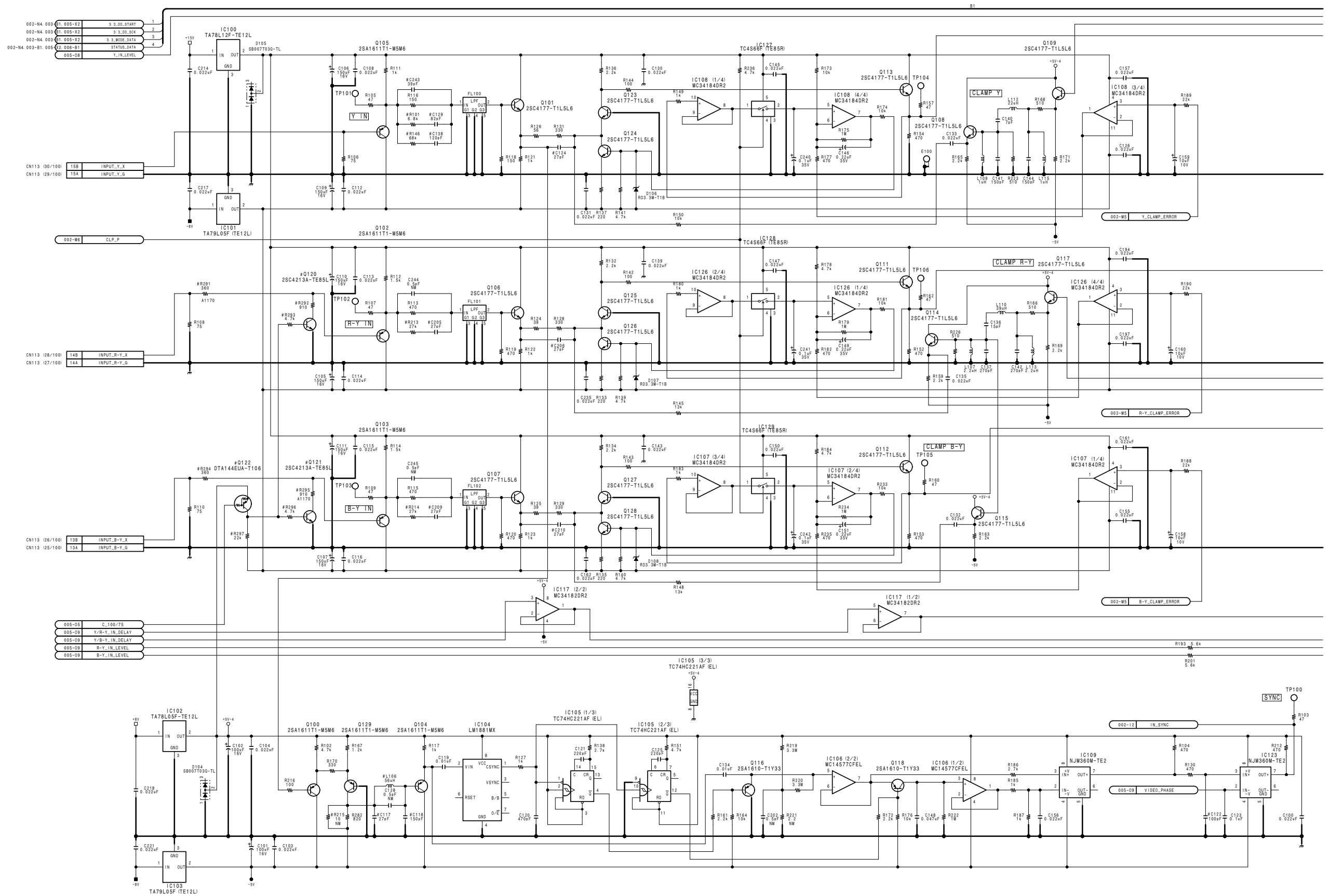
System configuration	Board name	Circuit Function	
Front panel function	FP-58	Sub control panel and Upper panel function (SWs, LEDs) control, CAV control level conversion	
	VR-152	Audio REC and Phone level RVs, Phone connector	
	VR-153	Audio PB level RVs	
	SWC-17	Upper panel function (SWs, LEDs)	
	SWC-18	Sub control panel function	
	SWC-19	System set-up panel function control	
	KY-231	Lower panel function control	
	DP-176	Time counter display	
	PTC-69	Search dial sensor, Dial solenoid connection	
Rear panel function	CP-218	Rear connector board (Analog video) with input/output driver	
	CP-220	Rear connector board (Analog/Digital audio, TC)	
	MB-441	Remote control connectors (CONTROL PANEL, REMOTE 1 IN/OUT, RS232C, VIDEO CONTROL)	
Power	AC-139	AC connector board with breaker	
	SOPS-1042 or	SOPS-1019C	Switching regulator
	SOPS-1042 (A)	SOPS-1042A	Switching regulator (inc. SOPS-1019C/1042S boards)
		SOPS-1042B or SOPS-1042D	Switching regulator (AC-DC)
		SOPS-1042S	Switching regulator
Other	MB-441	Mother board	
	HN-181	Connection board with REC inhibit sensor (Drum/Capstan/Reel-shift motors, CTL head, DT-34/HN-184/HN-185/PTC-59/PTC-71 boards)	
	HN-184	Connection board (Threading motor, Tape end sensor, PD-35/PTC-54/TR-78 boards)	
	HN-185	Connection board with dew sensor (Tape top sensor, Cassette compartment, TR-79 board, Slip ring)	

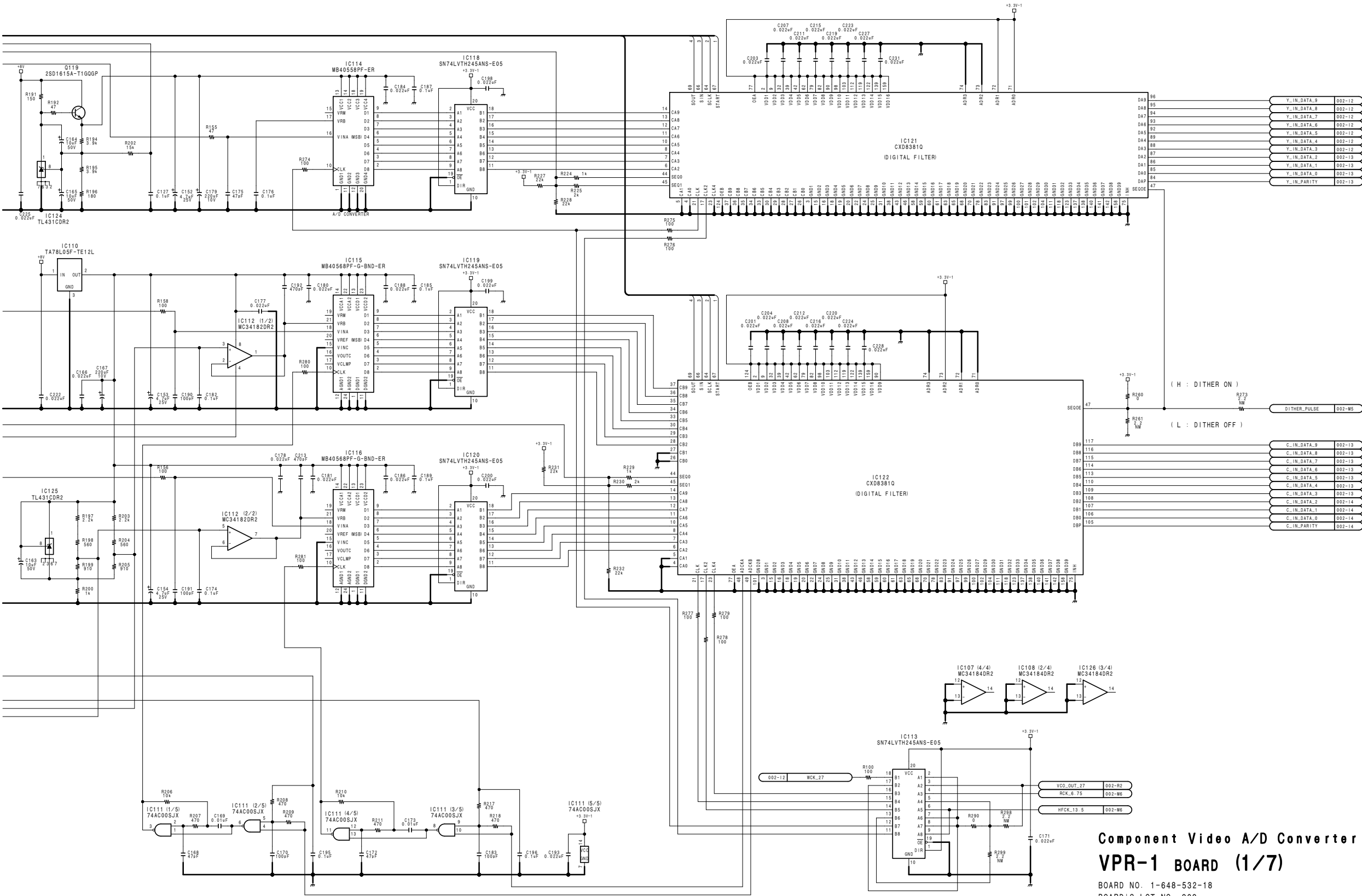


Measurement Condition
INPUT SIGNAL : 100% COLOR BARS
MODE : STOP (E-E) mode
*...OSCILLOSCOPE : DC mode

VPR-1 Board -A Side-



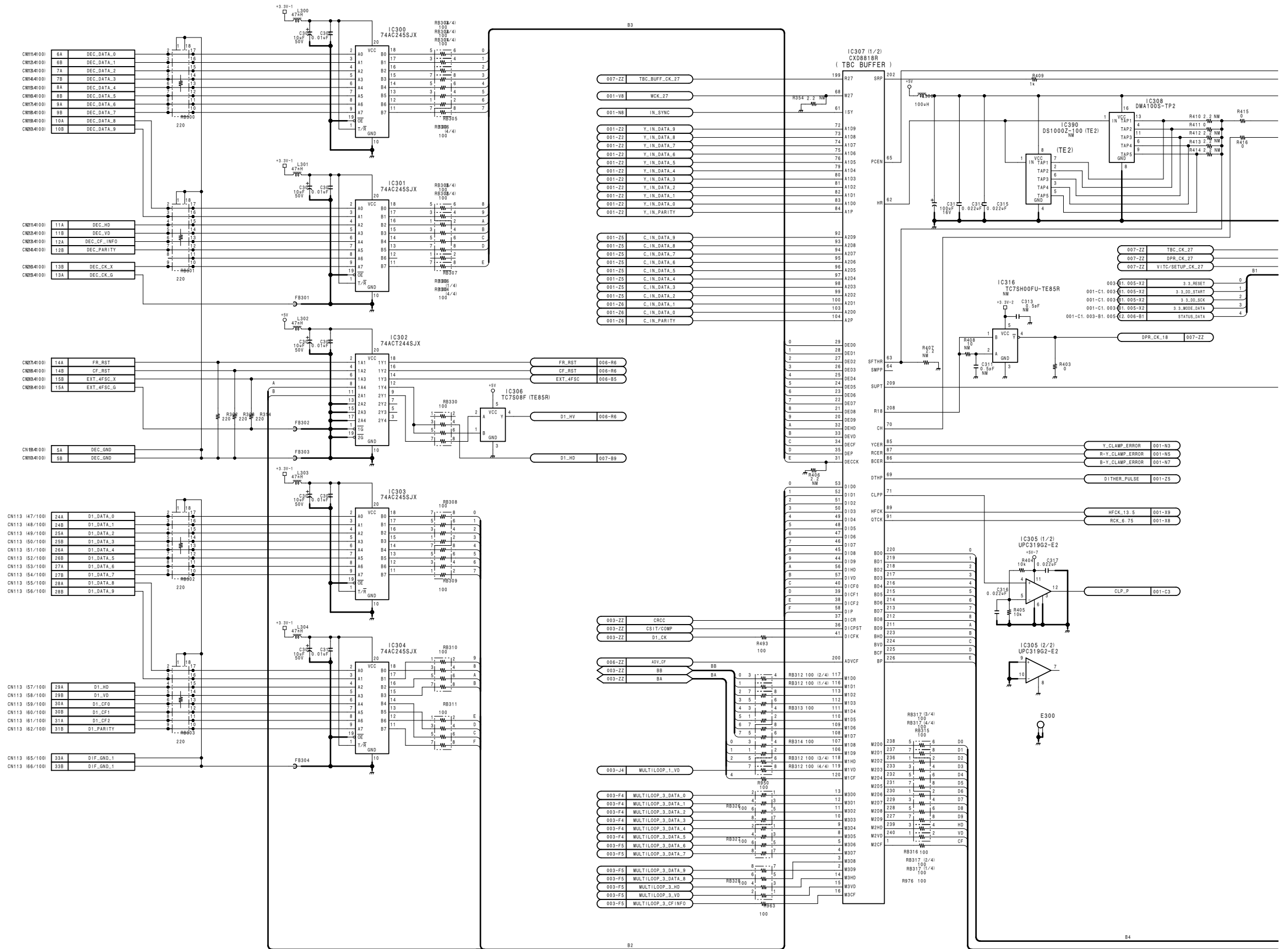


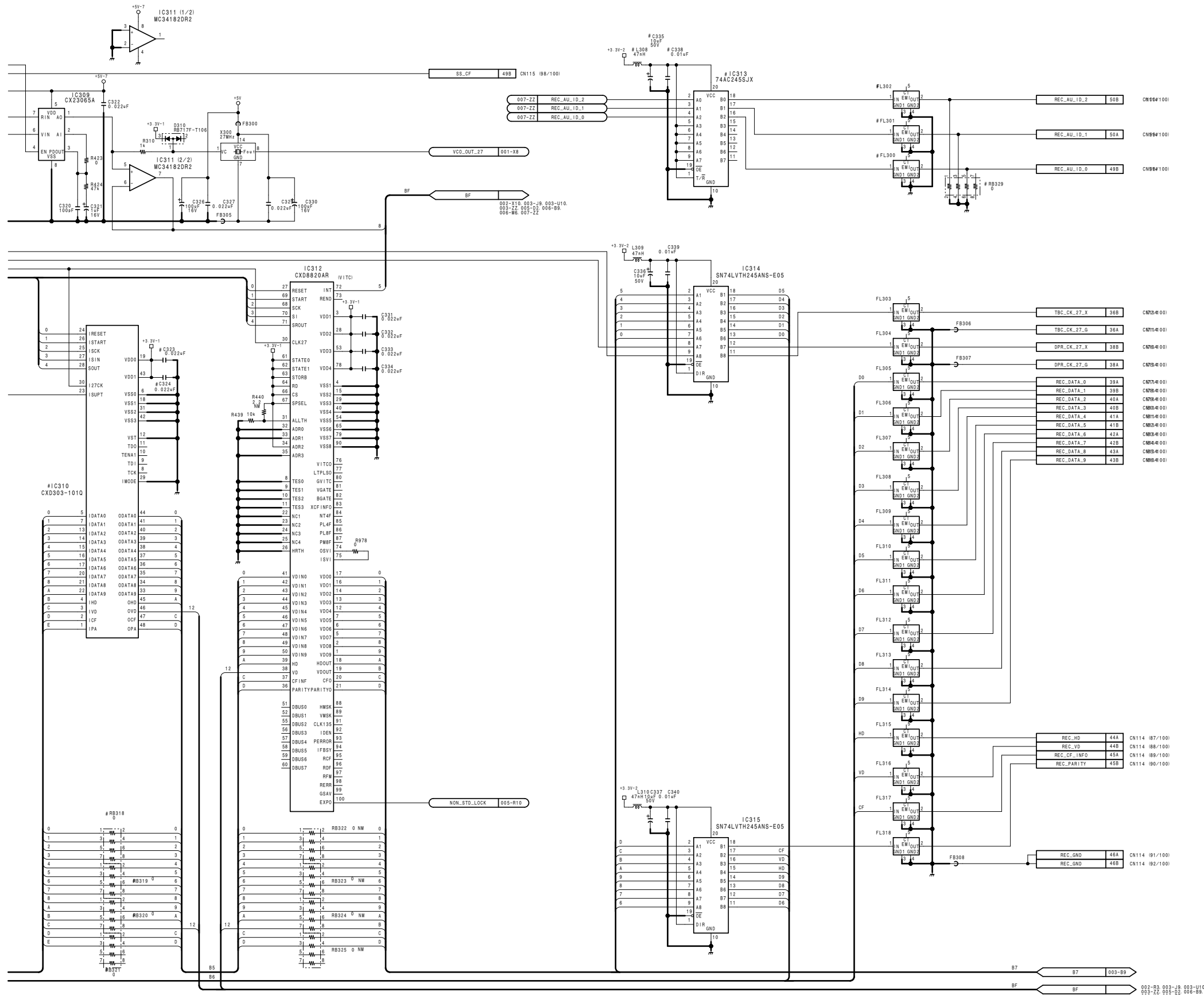


Component Video A/D Converter & SYNC Separator
VPR-1 BOARD (1/7)

BOARD NO. 1-648-532-18
BOARD'S LOT NO. 909-
DVW-A500 (J. UC) : VPR-1A MCB
DVW-A500P (EK) : VPR-1APG MCB
DVW-A500P (UC) : VPR-1APG MCB
DVW-500 (J. UC) : VPR-1A MCB
DVW-500P (EK) : VPR-1APG MCB
DVW-500P (UC) : VPR-1APG MCB
DVW-A500_VPR-1_002_1

#	NTSC	PAL
C117	27pF 50V CH	47pF 50V CH
C118	150pF 50V CH	220pF 50V CH
C122	100pF 50V CH	150pF 50V CH
C124	27pF 50V CH	33pF 50V CH
C129	82pF 50V CH	47pF 50V CH
C138	120pF 50V CH	100pF 50V CH
C205	27pF 50V CH	22pF 50V CH
C206	27pF 50V CH	33pF 50V CH
C209	27pF 50V CH	22pF 50V CH
C210	27pF 50V CH	33pF 50V CH
C243	NM	39pF 50V CH
L106	56uH 10%	82uH 10%
Q120	2SC4213A-T	NM
Q121	2SC4213A-T	NM
Q122	DTA144EUT1	NM
R101	6.8k 1/10W 0.5%	10k 1/10W 0.5%
R146	68k 1/10W 0.5%	33k 1/10W 0.5%
R213	27k 1/10W 0.5%	56k 1/10W 0.5%
R214	27k 1/10W 0.5%	56k 1/10W 0.5%
R215	NM	15k 1/10W 0.5%
R291	360 1/10W 0.5%	0
R292	910 1/10W 0.5%	NM
R293	4.7k 1/10W 5%	NM
R294	360 1/10W 0.5%	0
R295	910 1/10W 0.5%	NM
R296	4.7k 1/10W 5%	NM
R297	22k 1/10W 5%	NM





#	NTSC	PAL
C323	0.022uF 50V B	NM
C324	0.022uF 50V B	NM
C335	10uF 50V	NM
C338	0.01uF 50V B	NM
FL300	123989822	NM
FL301	123989822	NM
FL302	123989822	NM
IC310	CXD303-101	NM
IC313	74AC245SJX	NM
L308	47nH 5%	NM
RB318	NM	0
RB319	NM	0
RB320	NM	0
RB321	NM	0
RB329	NM	0

Input Digital Video Data Processor VPR-1 BOARD (2/7)

BOARD NO. 1-648-532-18
BOARD'S LOT NO. 909-
DVW-A500 (J. UC) :VPR-1A MCB
DVW-A500P (EK) :VPR-1APG MCB
DVW-A500P (UC) :VPR-1APG MCB
DVW-500 (J. UC) :VPR-1A MCB
DVW-500P (EK) :VPR-1APG MCB
DVW-500P (UC) :VPR-1APG MCB
DVW-A500_VPR-1_002_2

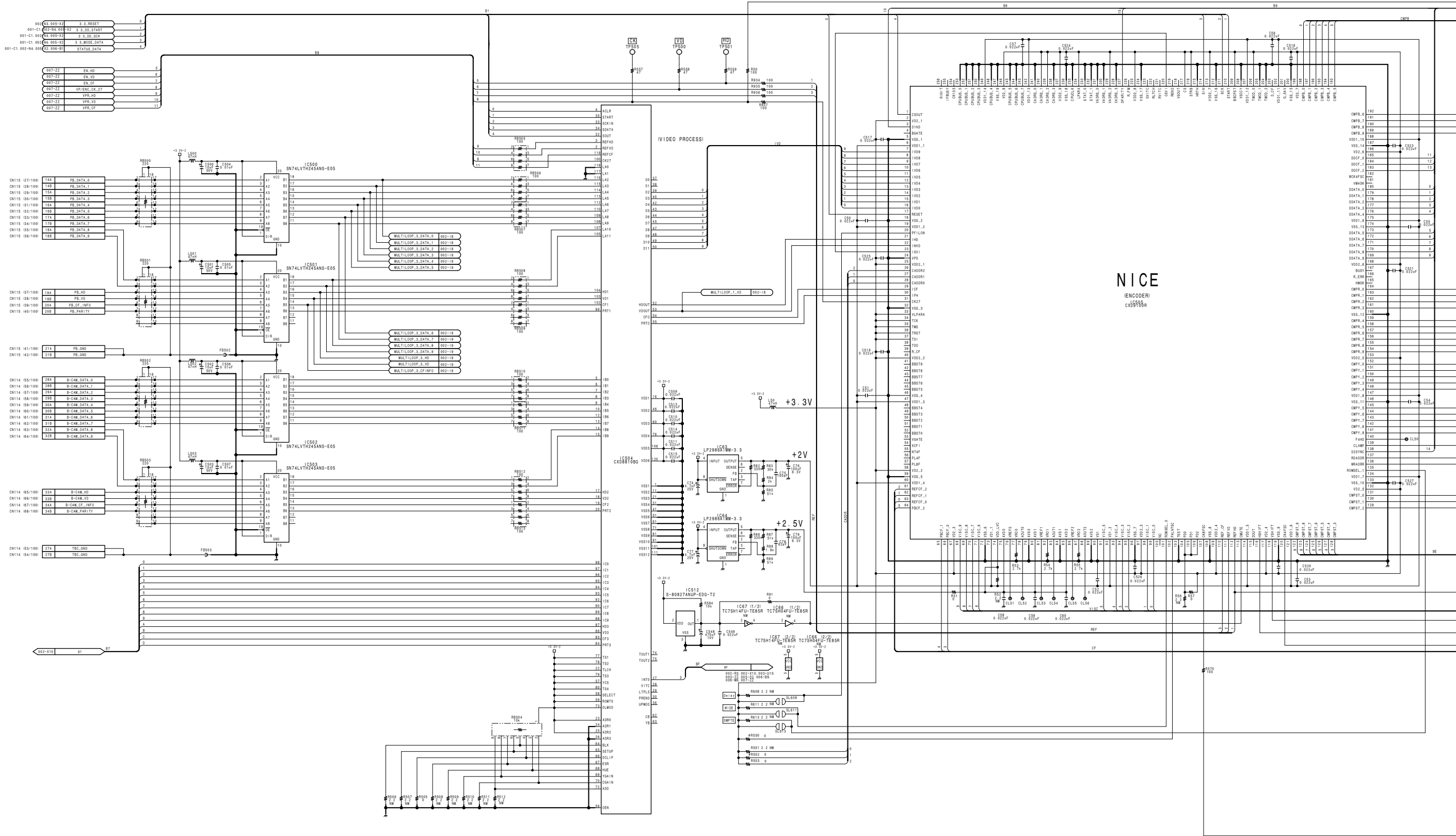
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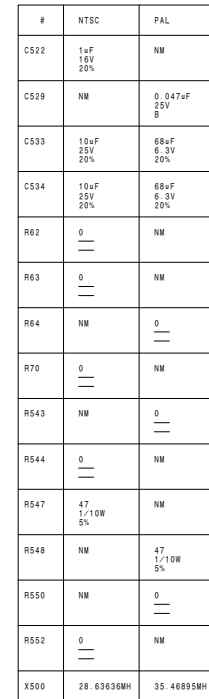
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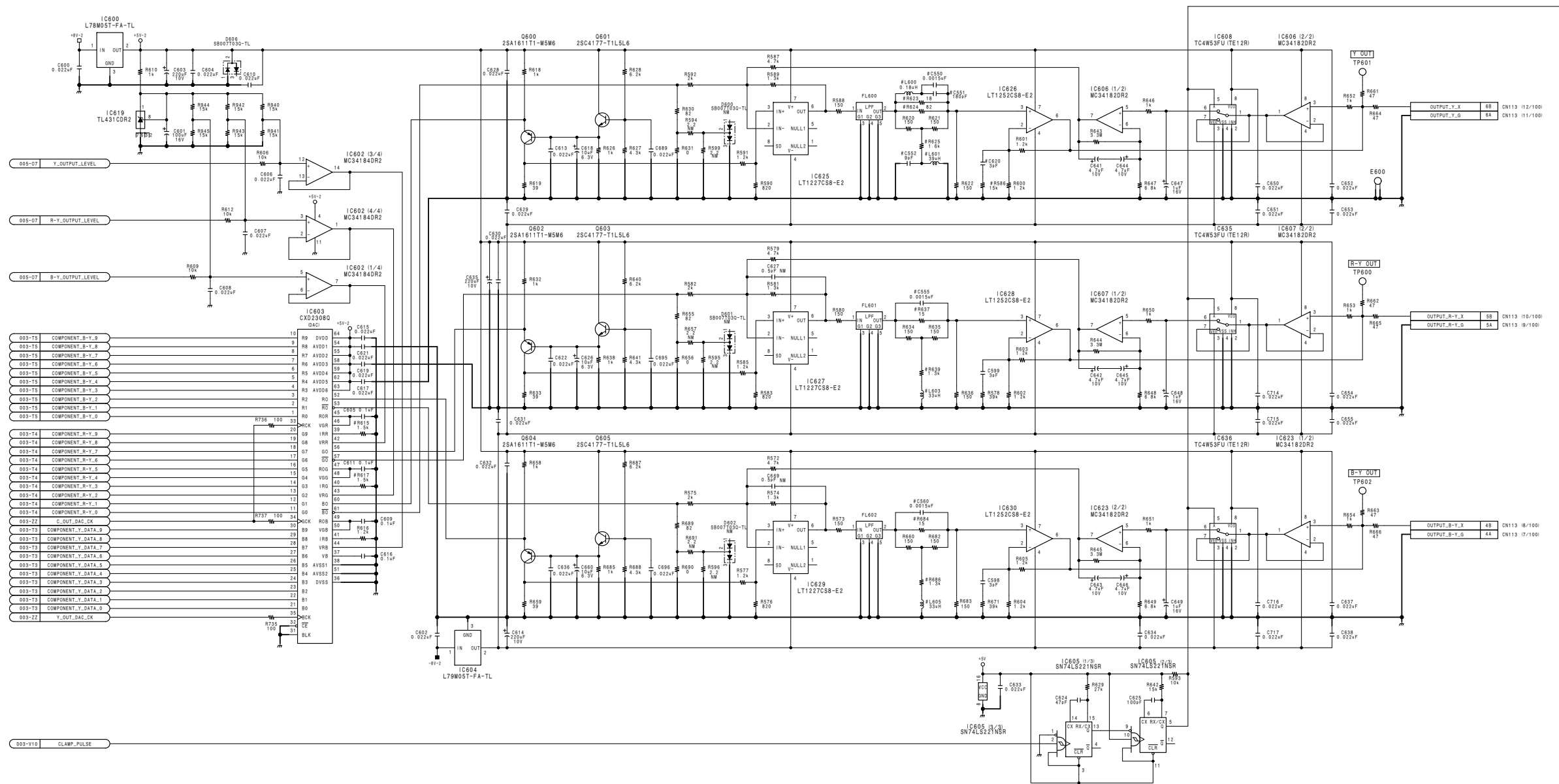
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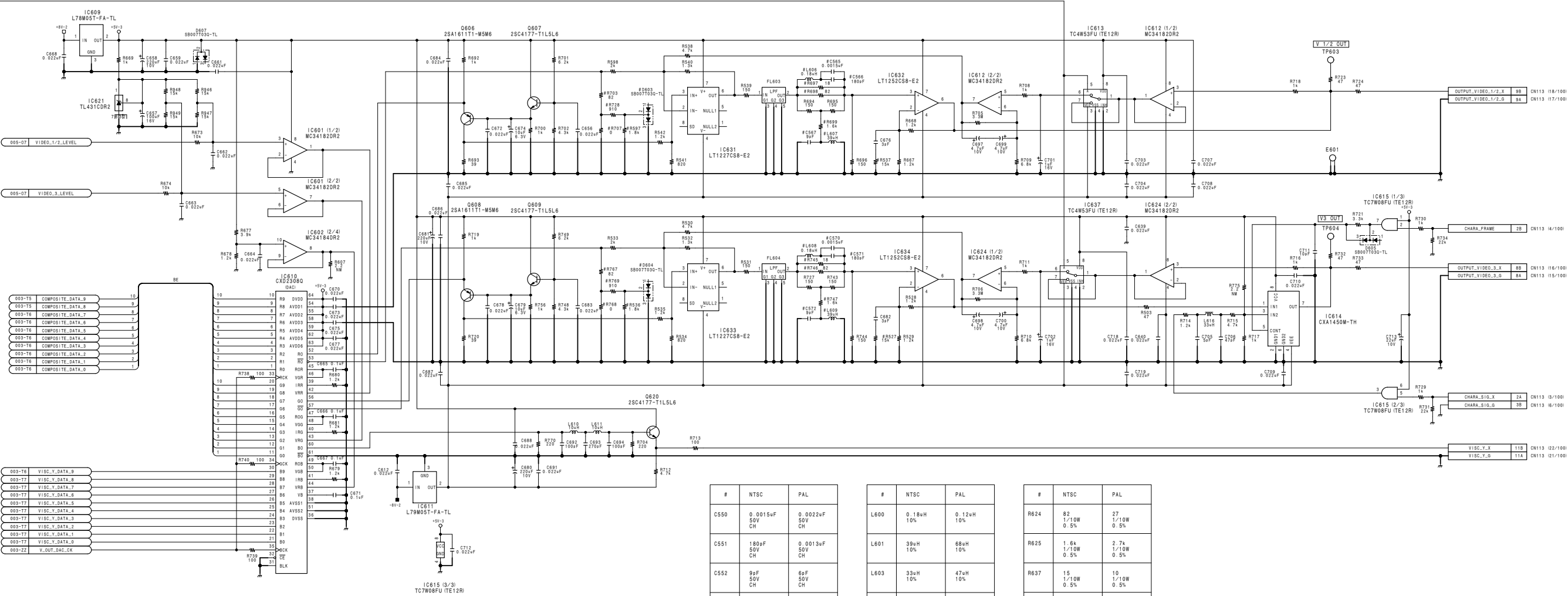
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BOARD NO. 1-648-532-18
BOARD'S LOT NO. 909-
DVW-A500 (J. UC) : VPR-1A MCB
DVW-A500P (EK) : VPR-1APG MCB
DVW-A500P (UC) : VPR-1APG MCB
DVW-500 (J. UC) : VPR-1A MCB
DVW-500P (EK) : VPR-1APG MCB
DVW-500P (UC) : VPR-1APG MCB
DVW-A500_VPR-1_002_3





#	NTSC	PAL
C550	0.0015uF 50V CH	0.0022uF 50V CH
C551	180pF 50V CH	0.0013uF 50V CH
C552	9pF 50V CH	6pF 50V CH
C555	0.0015uF 50V CH	0.0022uF 50V CH
C560	0.0015uF 50V CH	0.0022uF 50V CH
C565	0.0015uF 50V CH	0.0022uF 50V CH
C566	180pF 50V CH	0.0013uF 50V CH
C567	9pF 50V CH	6pF 50V CH
C570	0.0015uF 50V CH	0.0022uF 50V CH
C571	180pF 50V CH	0.0013uF 50V CH
C572	9pF 50V CH	6pF 50V CH
C620	3pF 50V CJ	4pF 50V CJ
D603	NM	SB007T030
D604	NM	SB007T030

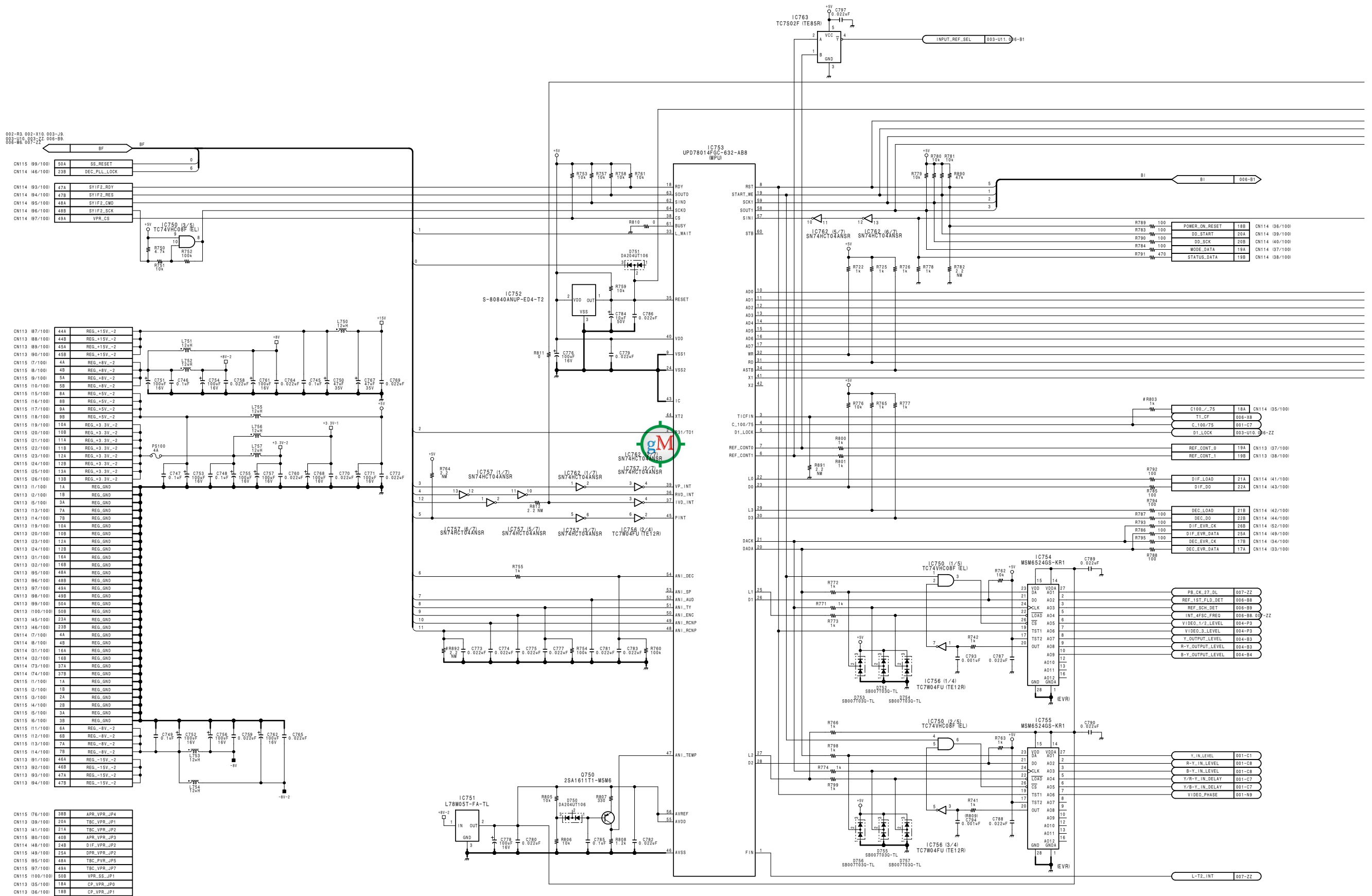
#	NTSC	PAL
L600	0.18uH 10%	0.12uH 10%
L601	39uH 10%	68uH 10%
L603	33uH 10%	47uH 10%
L605	33uH 10%	47uH 10%
L606	0.18uH 10%	0.12uH 10%
L607	39uH 10%	68uH 10%
L608	0.18uH 10%	0.12uH 10%
L609	39uH 10%	68uH 10%
R527	15k 1/10W 0.5%	39k 1/10W 0.5%
R536	NM	1.8k 1/10W 0.5%
R537	15k 1/10W 0.5%	39k 1/10W 0.5%
R586	15k 1/10W 0.5%	30k 1/10W 0.5%
R597	NM	1.8k 1/10W 0.5%
R615	1.5k 1/10W 0.5%	1.8k 1/10W 0.5%
R617	1.5k 1/10W 0.5%	1.8k 1/10W 0.5%
R623	18 1/10W 0.5%	10 1/10W 0.5%

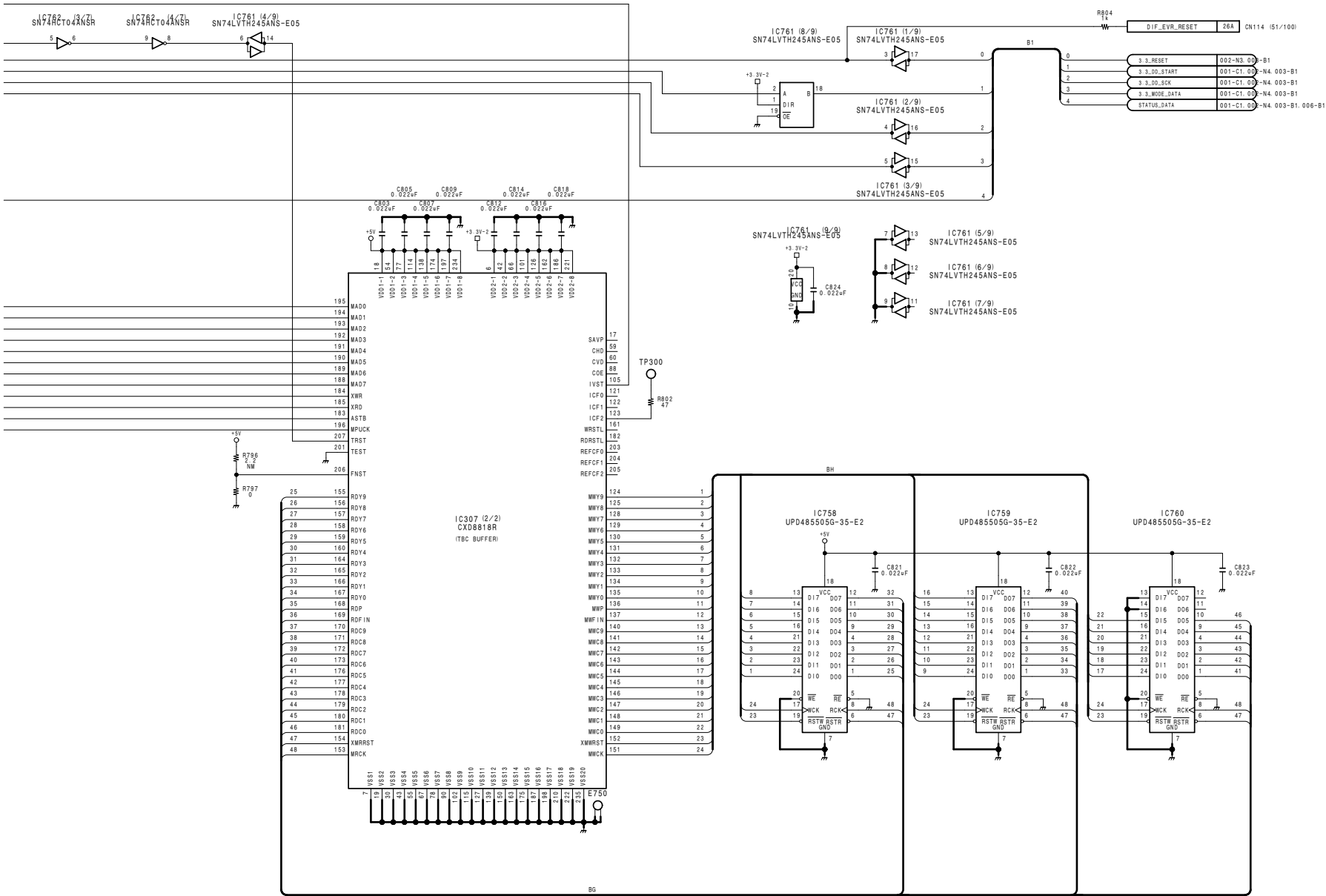
#	NTSC	PAL
R624	82 1/10W 0.5%	27 1/10W 0.5%
R625	1.6k 1/10W 0.5%	2.7k 1/10W 0.5%
R637	15 1/10W 0.5%	10 1/10W 0.5%
R639	1.3k 1/10W 0.5%	2k 1/10W 0.5%
R684	15 1/10W 0.5%	10 1/10W 0.5%
R686	1.3k 1/10W 0.5%	2k 1/10W 0.5%
R697	18 1/10W 0.5%	10 1/10W 0.5%
R698	82 1/10W 0.5%	27 1/10W 0.5%
R699	1.6k 1/10W 0.5%	2.7k 1/10W 0.5%
R703	82 1/10W 0.5%	47 1/10W 0.5%
R707	0 —	36 1/10W 0.5%
R728	NM	910 1/10W 0.5%
R745	18 1/10W 0.5%	10 1/10W 0.5%
R746	82 1/10W 0.5%	27 1/10W 0.5%
R747	1.6k 1/10W 0.5%	2.7k 1/10W 0.5%
R767	82 1/10W 0.5%	47 1/10W 0.5%
R768	0 —	36 1/10W 0.5%
R769	NM	910 1/10W 0.5%

Output Video Signal D/A Converter
VPR-1 BOARD (4/7)

BOARD NO. 1-648-532-18
BOARD'S LOT NO. 909-
DVW-A500 (J. UC) : VPR-1A MCB
DVW-A500P (EK) : VPR-1APG MCB
DVW-A500P (UC) : VPR-1APG MCB
DVW-500 (J. UC) : VPR-1A MCB
DVW-500P (EK) : VPR-1APG MCB
DVW-500P (UC) : VPR-1APG MCB
DVW-A500_VPR-1_002_4

1-14 (f)

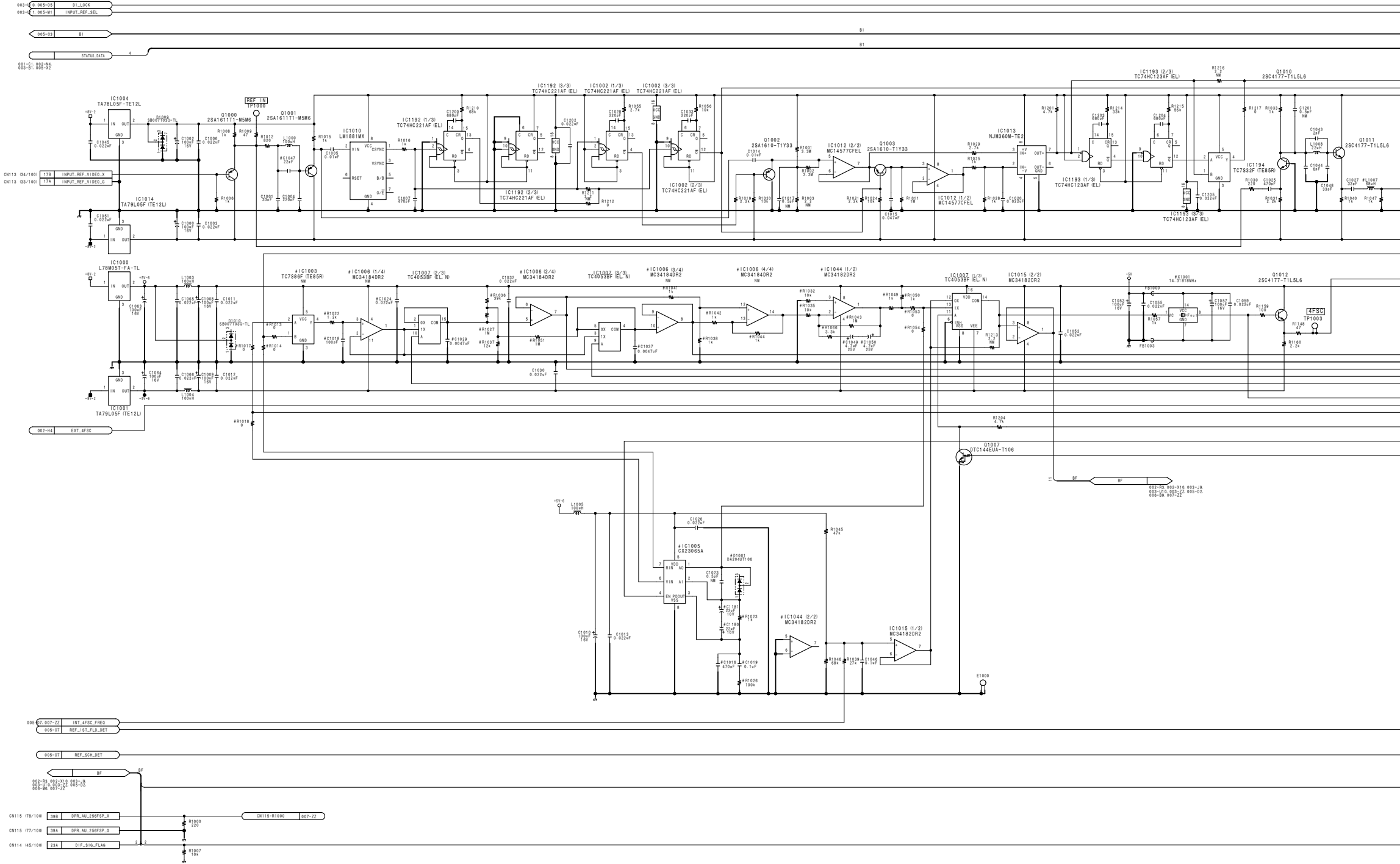


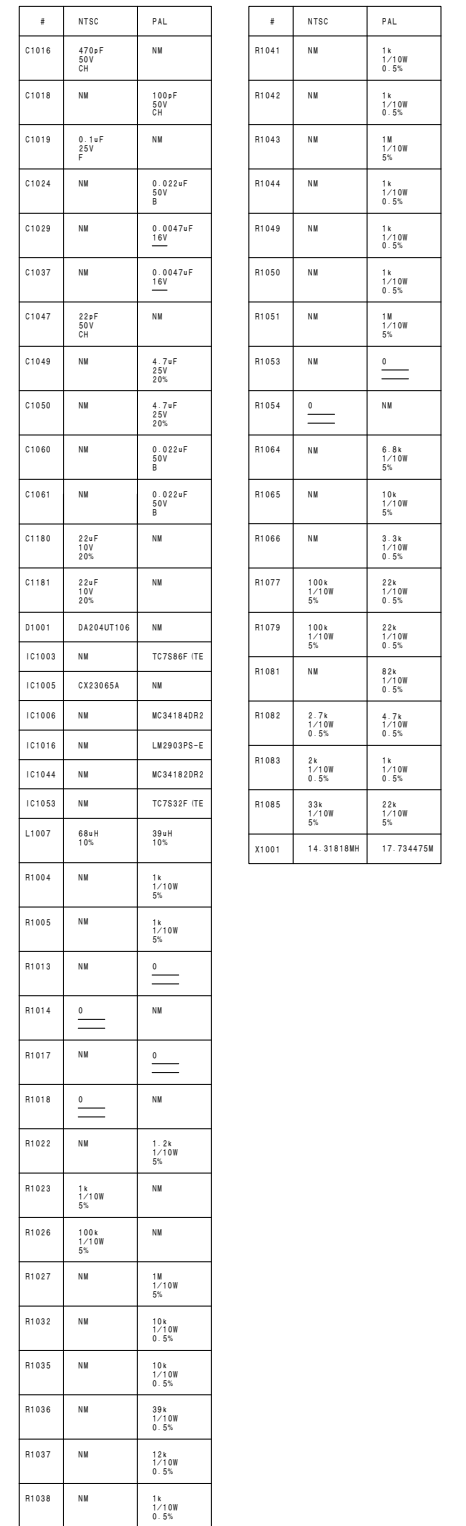


#	NTSC	PAL
R803	1k 1/10W 5%	NM

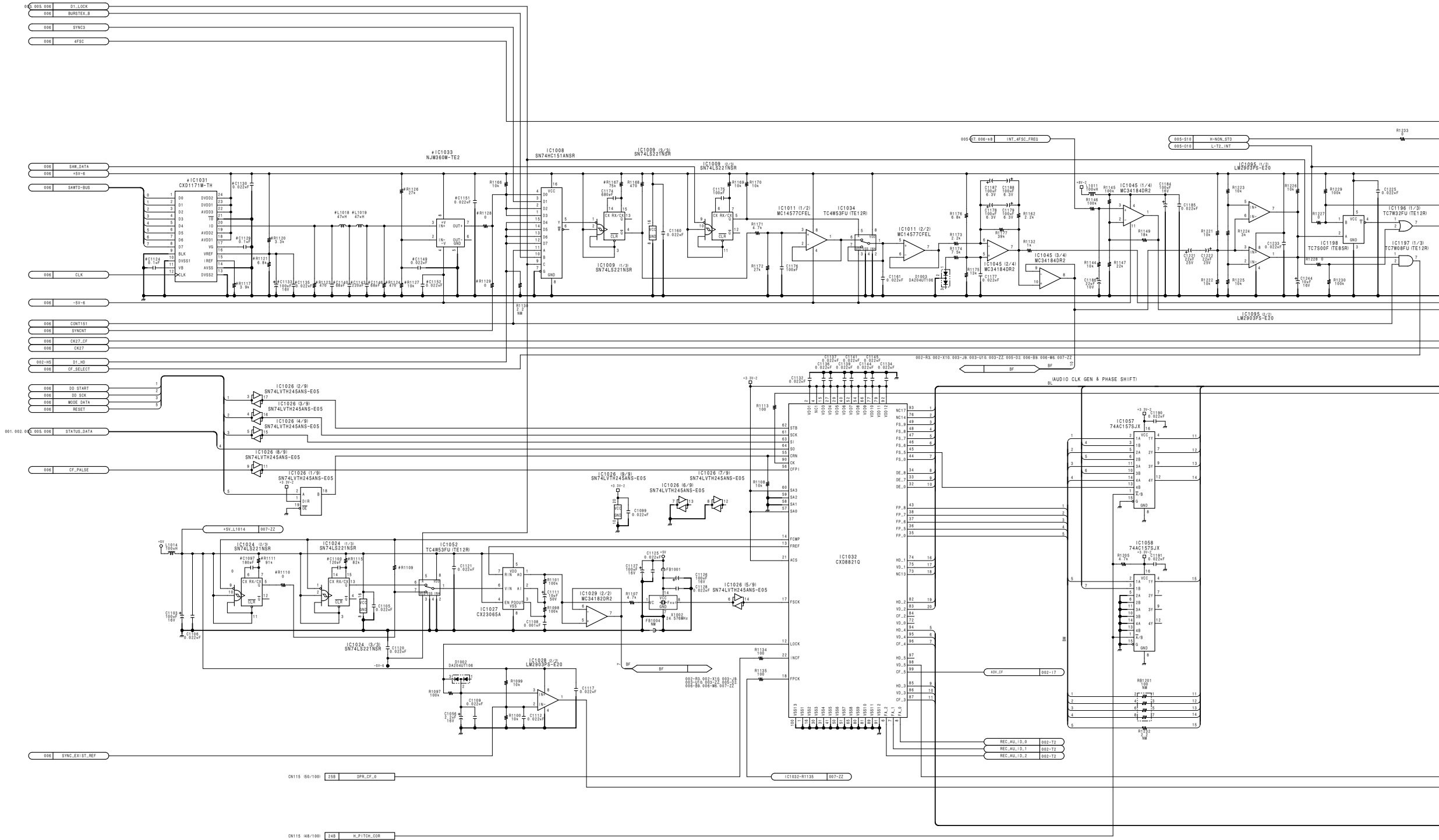
Video Process Control
VPR-1 BOARD (5/7)

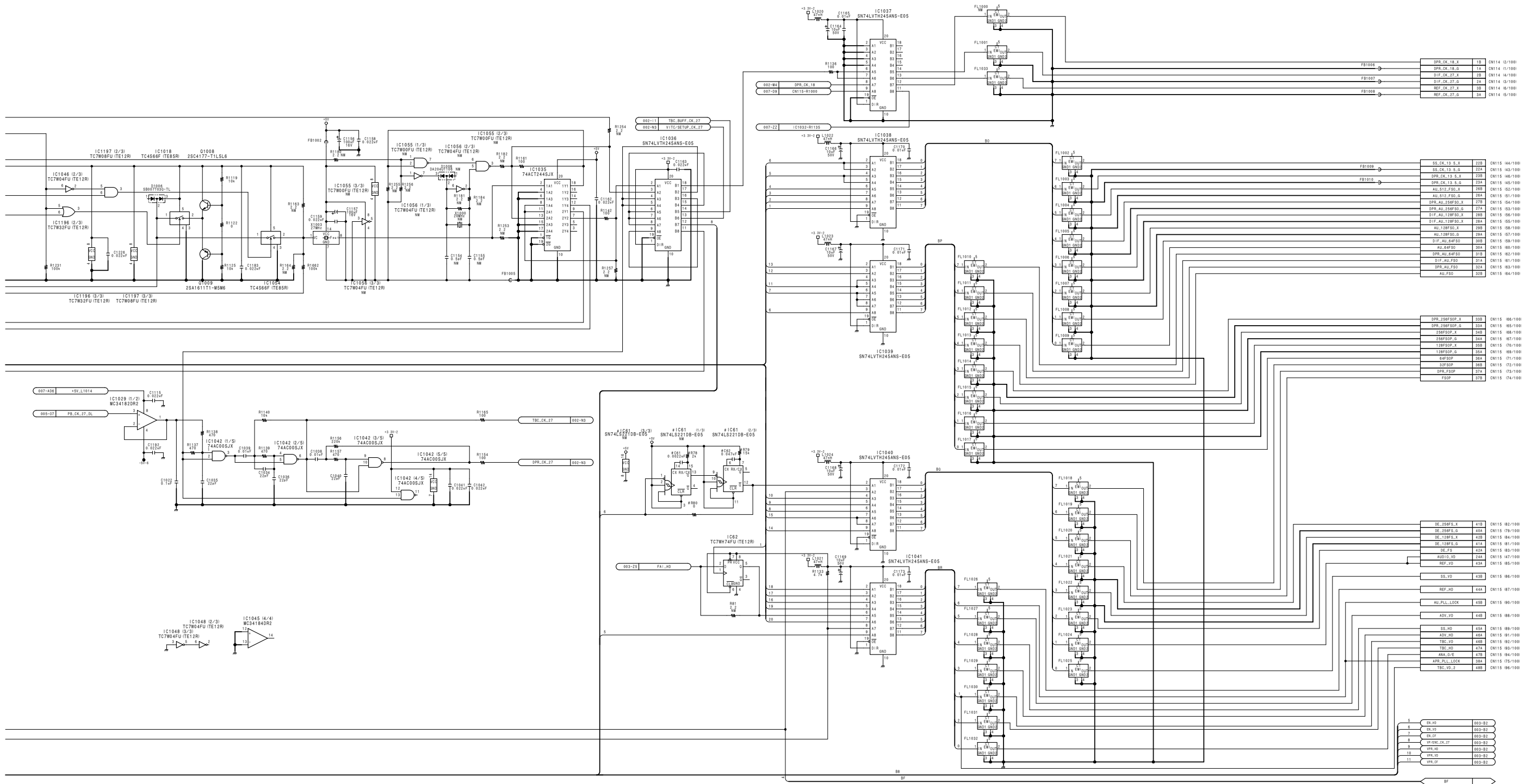
BOARD NO. 1-648-532-18
BOARD'S LOT NO. 909-
DVW-A500 (J, UC) : VPR-1A MCB
DVW-A500P (EK) : VPR-1APG MCB
DVW-A500P (UC) : VPR-1APG MCB
DVW-500 (J, UC) : VPR-1A MCB
DVW-500P (EK) : VPR-1APG MCB
DVW-500P (UC) : VPR-1APG MCB
DVW-A500_VPR-1_002_5





BOARD NO. 1-648-532-18
BOARD'S LOT NO. 909-
DVW-A500 (J. UC) : VPR-1A MCB
DVW-A500P (EK) : VPR-1APG MCB
DVW-A500P (UC) : VPR-1APG MCB
DVW-500 (J. UC) : VPR-1A MCB
DVW-500P (EK) : VPR-1APG MCB
DVW-500P (UC) : VPR-1APG MCB
DVW-A500_VPR-1_002_6





#	NTSC	PAL
C61	NW	0.0022uF 50V CH
C62	NW	0.047uF 50V F
C1097	180pF 50V CH	NW
C1100	120pF 50V CH	150pF 50V CH
C1124	NW	0.1uF 25V F
C1129	NW	0.1uF 25V F
C1130	NW	0.022uF 50V B

#	NTSC	PAL
C1133	NW	100uF 16V
C1135	NW	0.022uF B
C1140	NW	68pF 50V CH
C1143	NW	220pF 50V CH
C1146	NW	68pF 50V CH
C1149	NW	0.022uF B
C1151	NW	0.022uF 50V B

#	NTSC	PAL
C1152	NW	0.022uF 50V B
IC61	NW	SN74LS221D
IC1031	NW	CD01171M-T
IC1033	NW	NJM360M-TE
L1018	NW	47uH 10%
L1019	NW	47uH 10%
R78	NW	2k 1/10W 0.5%
R79	NW	15k 1/10W 0.5%

#	NTSC	PAL
R80	0	NW
R1109	NW	0
R1110	0	NW
R1111	91k 1/10W 0.5%	NW
R1115	82k 1/10W 0.5%	39k 1/10W 0.5%
R1117	NW	3.9k 1/10W 0.5%
R1120	NW	3.3k 1/10W 0.5%

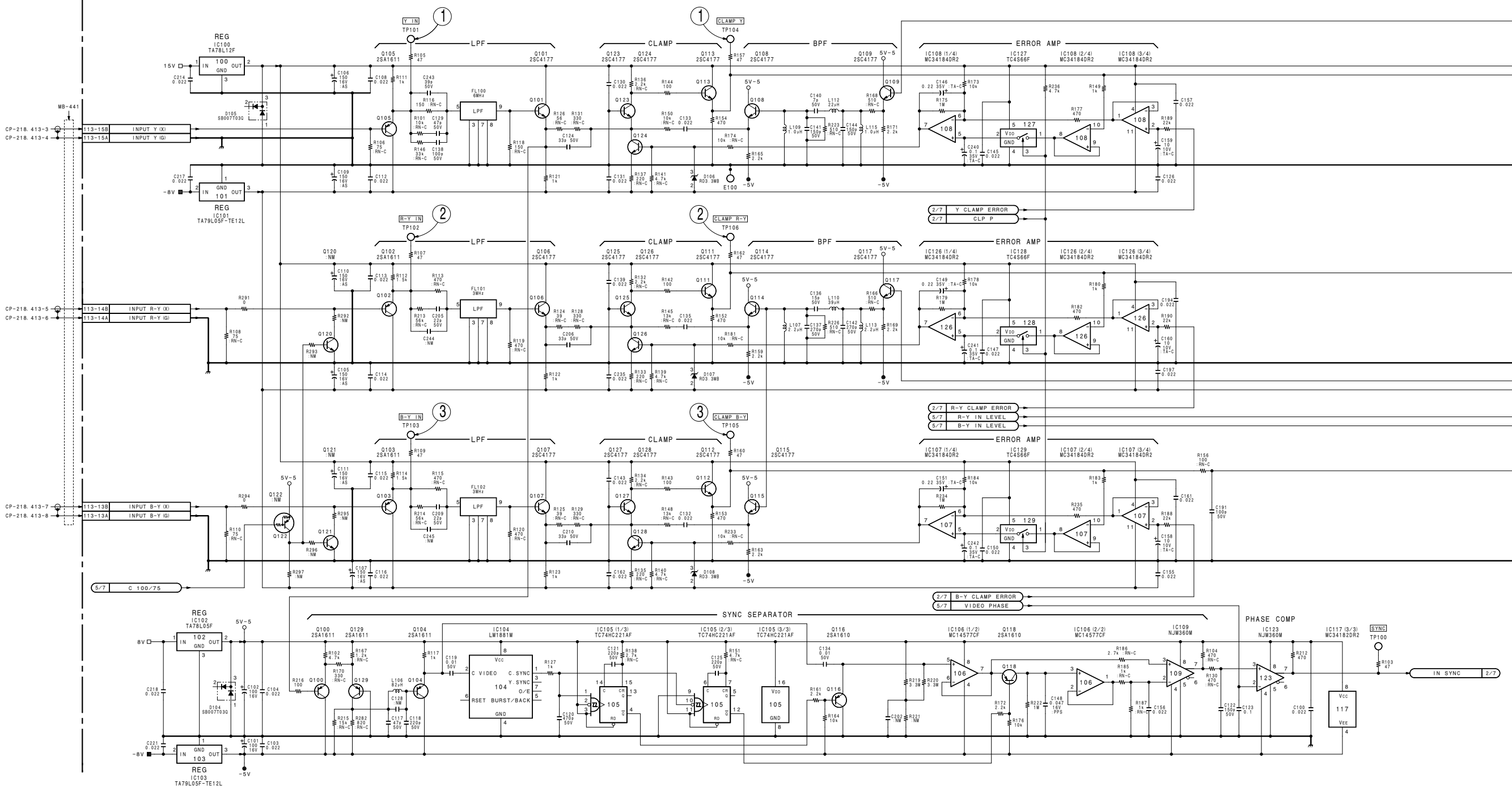
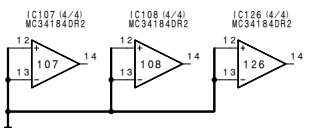
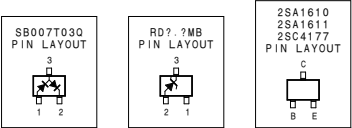
#	NTSC	PAL
R1121	NW	6.8k 1/10W 0.5%
R1123	NW	470 1/10W 0.5%
R1124	NW	470 1/10W 0.5%
R1126	NW	27k 1/10W 0.5%
R1127	NW	10k 1/10W 0.5%
R1128	NW	0
R1129	0	NW

#	NTSC	PAL
R1167	75k 1/10W 0.5%	82k 1/10W 0.5%

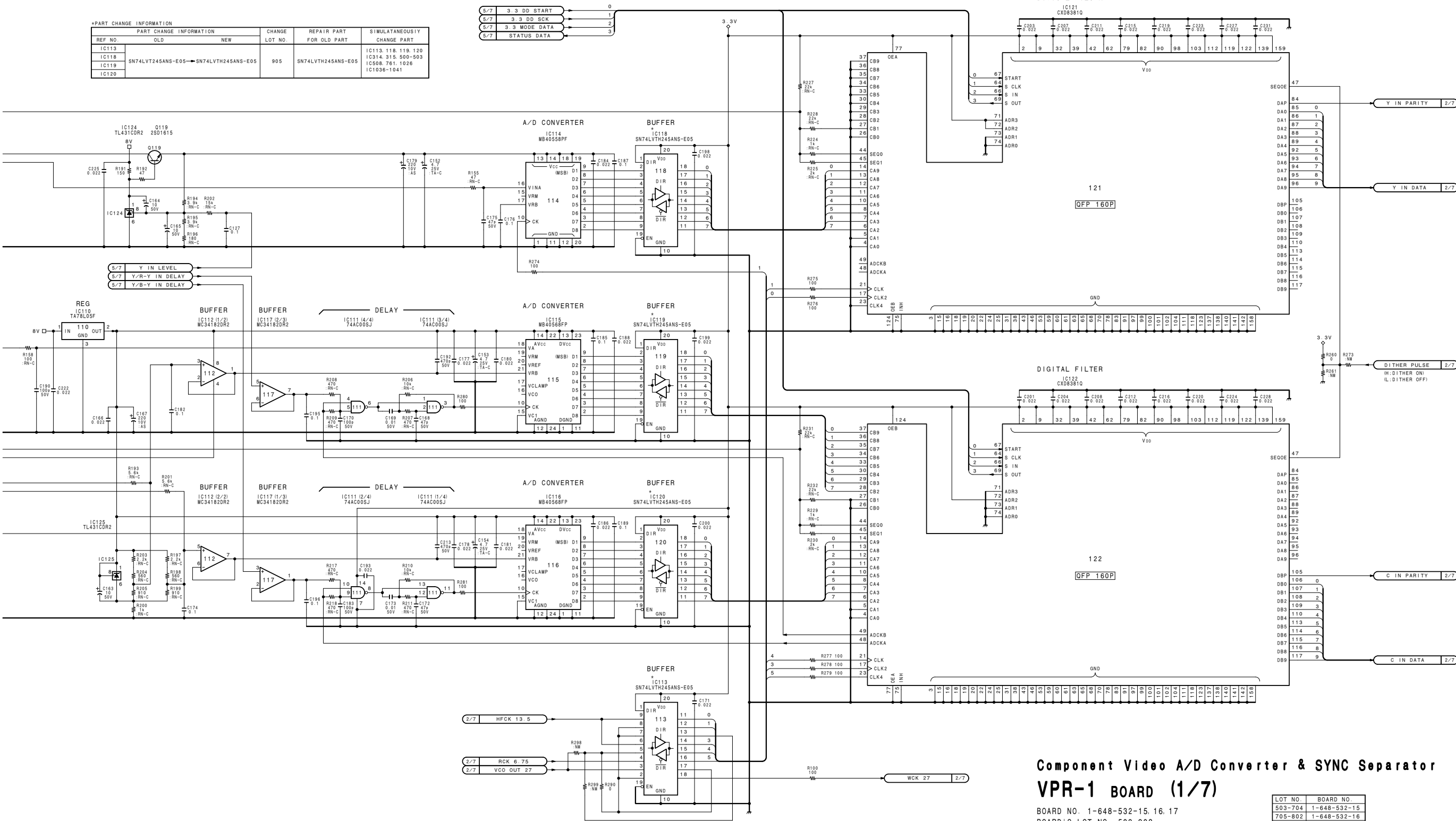
Time Ref Signal (2) & Audio Clock Generator VPR-1 BOARD (7/7)

BOARD NO. 1-648-532-18
BOARD'S LOT NO. 909-
DVW-A500 (J, UC) : VPR-1A MCB
DVW-A500P (EK) : VPR-1APG MCB
DVW-A500P (UC) : VPR-1APG MCB
DVW-500 (J, UC) : VPR-1A MCB
DVW-500P (EK) : VPR-1APG MCB
DVW-500P (UC) : VPR-1APG MCB
DVW-A500_VPR-1_002_7

NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.



*PART CHANGE INFORMATION					
PART CHANGE INFORMATION					
REF. NO.	OLD	NEW	CHANGE	REPAIR PART	SIMULTANEOUSLY
IC113					
IC118					
IC119	SN74LVTH245ANS-E05	SN74LVTH245ANS-E05	905	SN74LVTH245ANS-E05	IC113, 118, 119, 120
IC120					IC131, 135, 500-503
					IC508, 761, 1026
					IC1036-1041



Component Video A/D Converter & SYNC Separator
VPR-1 BOARD (1/7)

BOARD NO. 1-648-532-15, 16, 17
BOARD'S LOT NO. 503-908
DVW-A500P (EK) : VPR-1AP MCB
DVW-A500P (UC) : VPR-1APG MCB
DVW-500P (EK) : VPR-1P MCB
DVW-500P (UC) : VPR-1PG MCB
DVW-VPR1-PAL-REG-S/M-04-E

LOT NO.	BOARD NO.
503-704	1-648-532-15
705-802	1-648-532-16
803-908	1-648-532-17

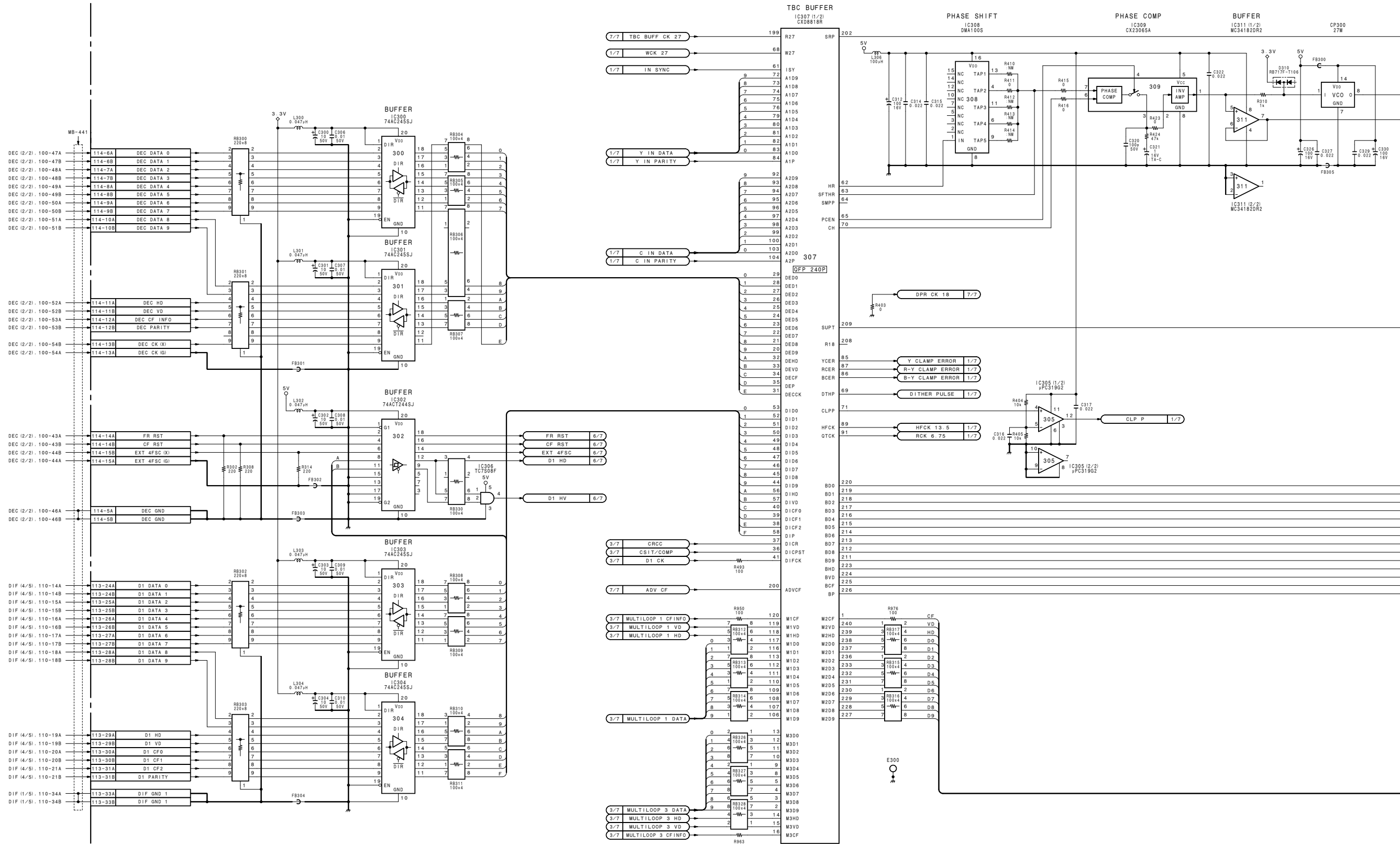
1

2

3

4

5

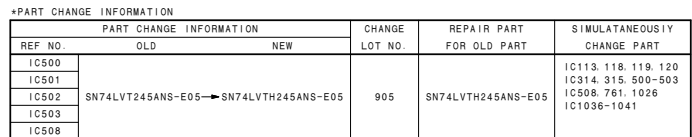


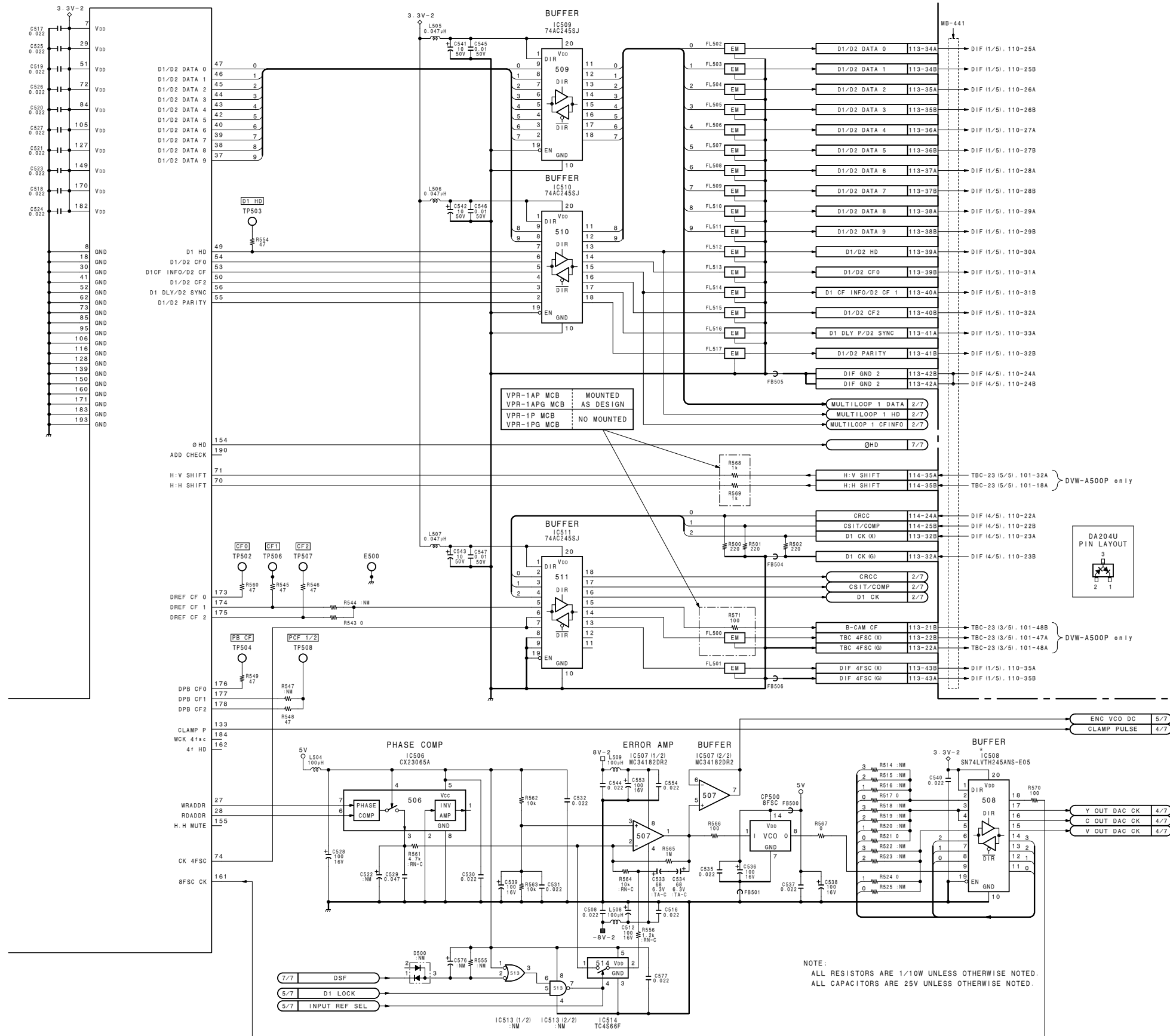


BOARD NO. 1-648-532-15. 16. 17
BOARD'S LOT NO. 503-908
DVW-A500P (EK) : VPR-1AP MCB
DVW-A500P (UC) : VPR-1APG MCB
DVW-500P (EK) : VPR-1P MCB
DVW-500P (UC) : VPR-1PG MCB
DVW-VPR1-PAL-REC-S/M-04-E

*PART CHANGE INFORMATION					
PART CHANGE INFORMATION			CHANGE LOT NO.	REPAIR PART FOR OLD PART	SIMULTANEOUSLY CHANGE PART
REF NO.	OLD	NEW			
IC314	SN74LVTH245ANS-E05→SN74LVTH245ANS-E05		905	SN74LVTH245ANS-E05	IC113, 118, 119, 120
IC315					IC314, 315, 500-503 IC508, 761, 1026 IC1036-1041

1-9 (e)





LOT NO.	BOARD NO.
503-704	1-648-532-15
705-802	1-648-532-16
803-908	1-648-532-17

Digital Video Data Encoder VPR-1 BOARD (3/7)

BOARD NO. 1-648-532-15, 16, 17
BOARD'S LOT NO. 503-908
DVW-A500P (EK) : VPR-1AP MCB
DVW-A500P (UC) : VPR-1APG MCB
DVW-500P (EK) : VPR-1P MCB
DVW-500P (UC) : VPR-1PG MCB
[DVW-VPR1-PAL-REC-S/M-04-E]

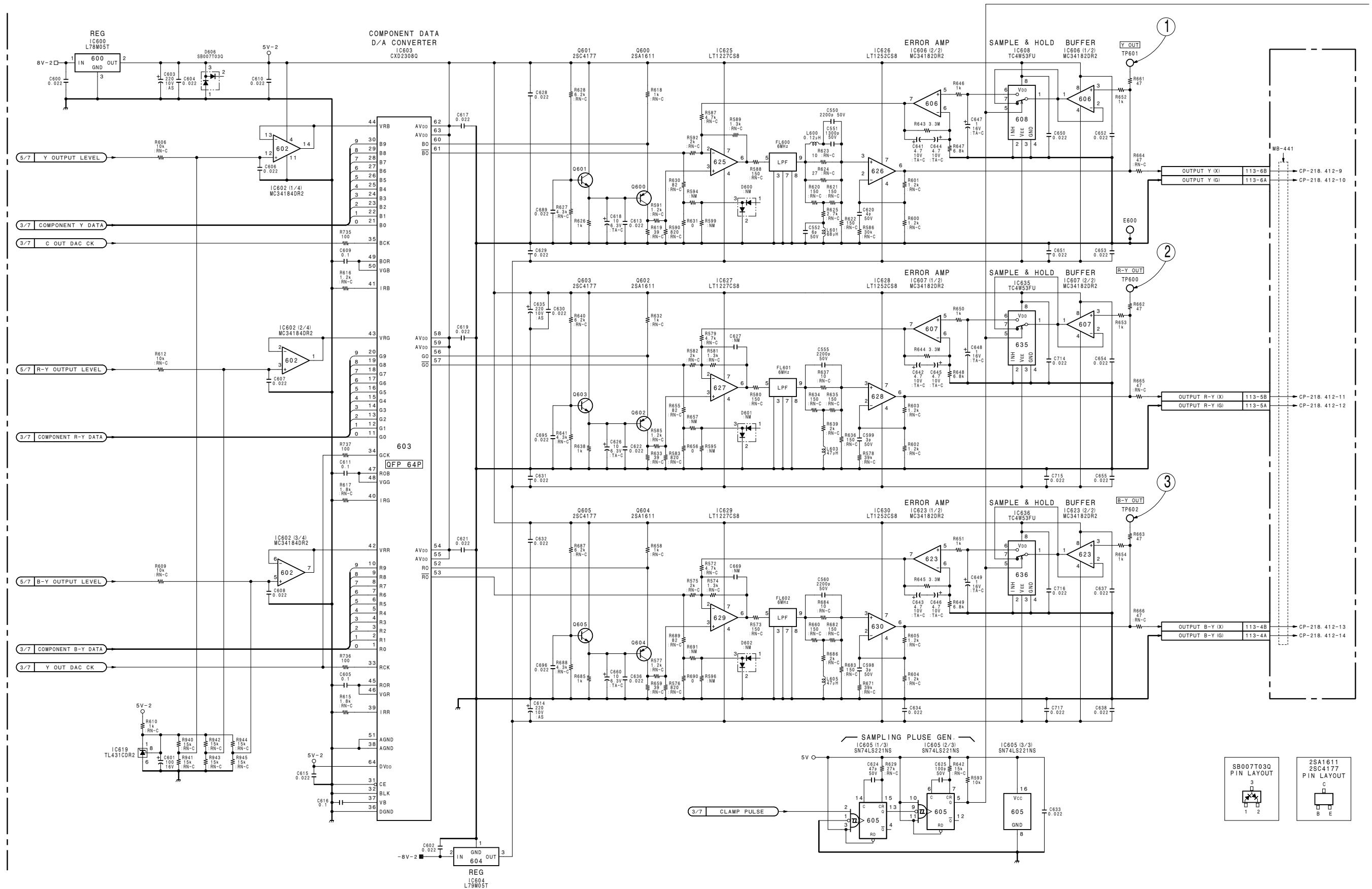
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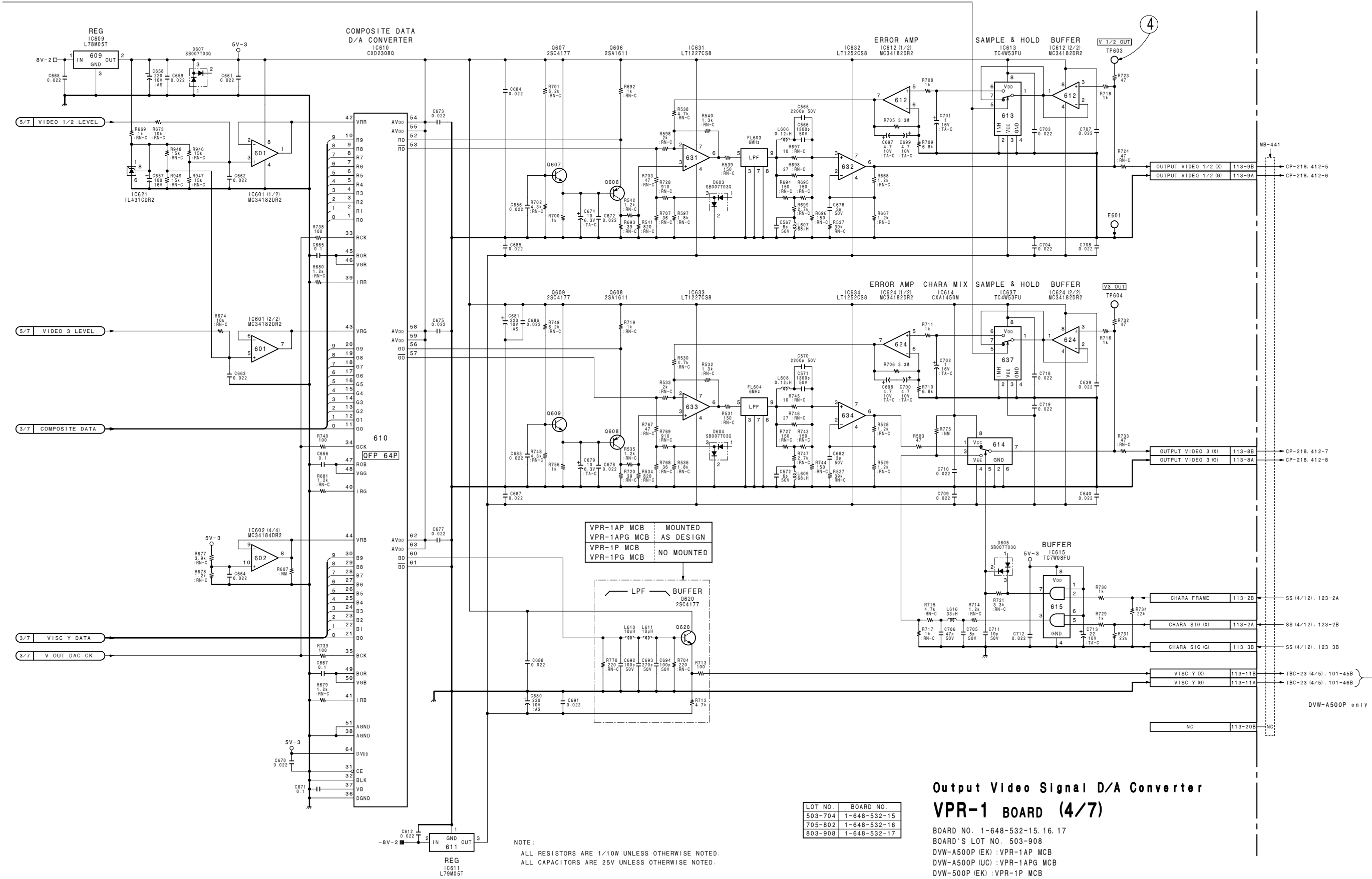
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3

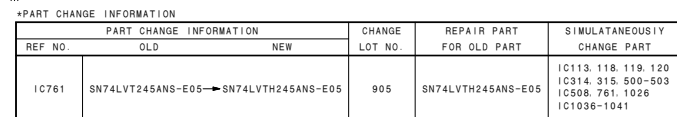
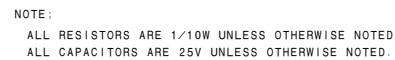
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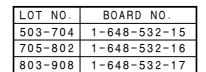
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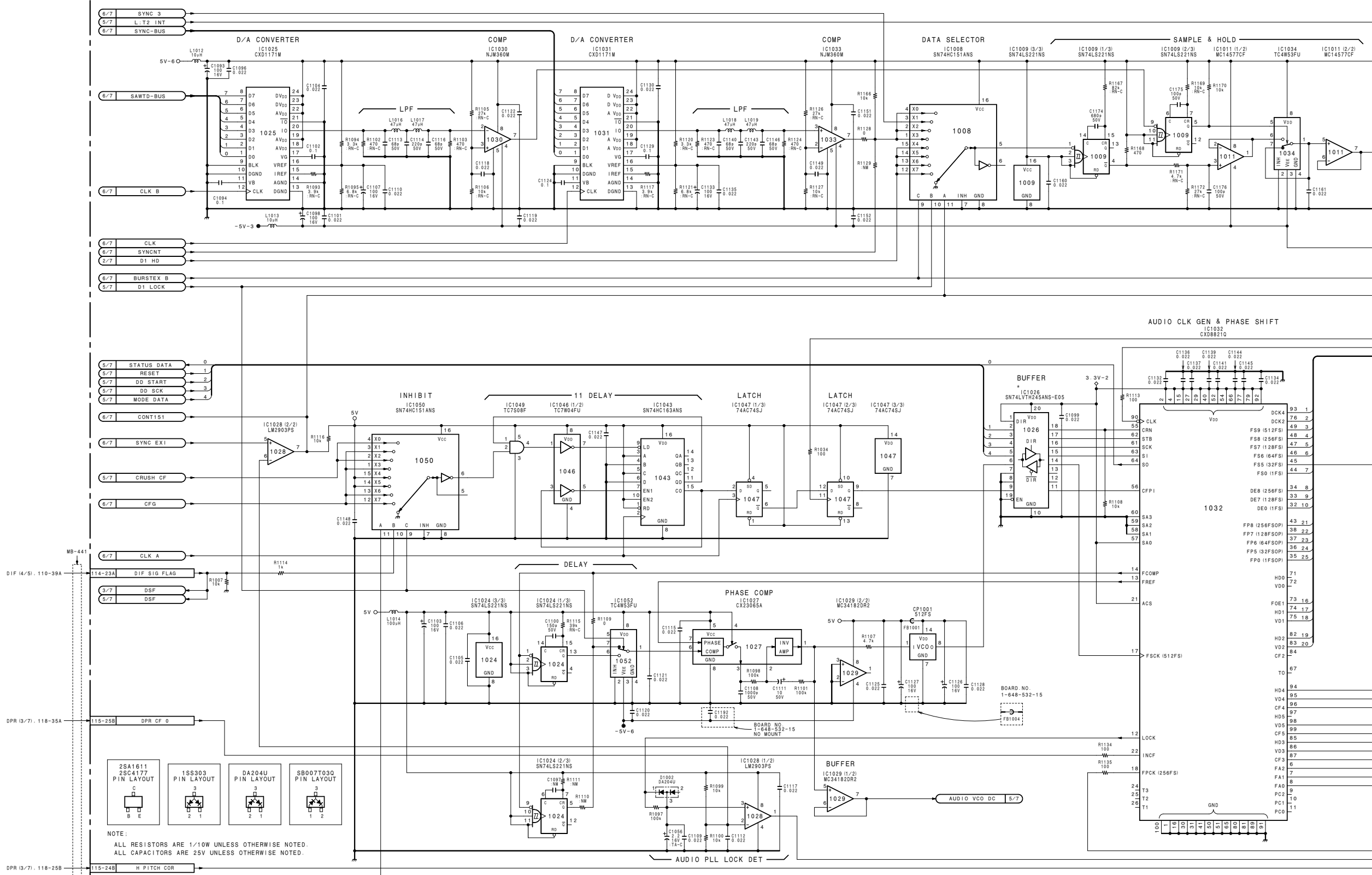


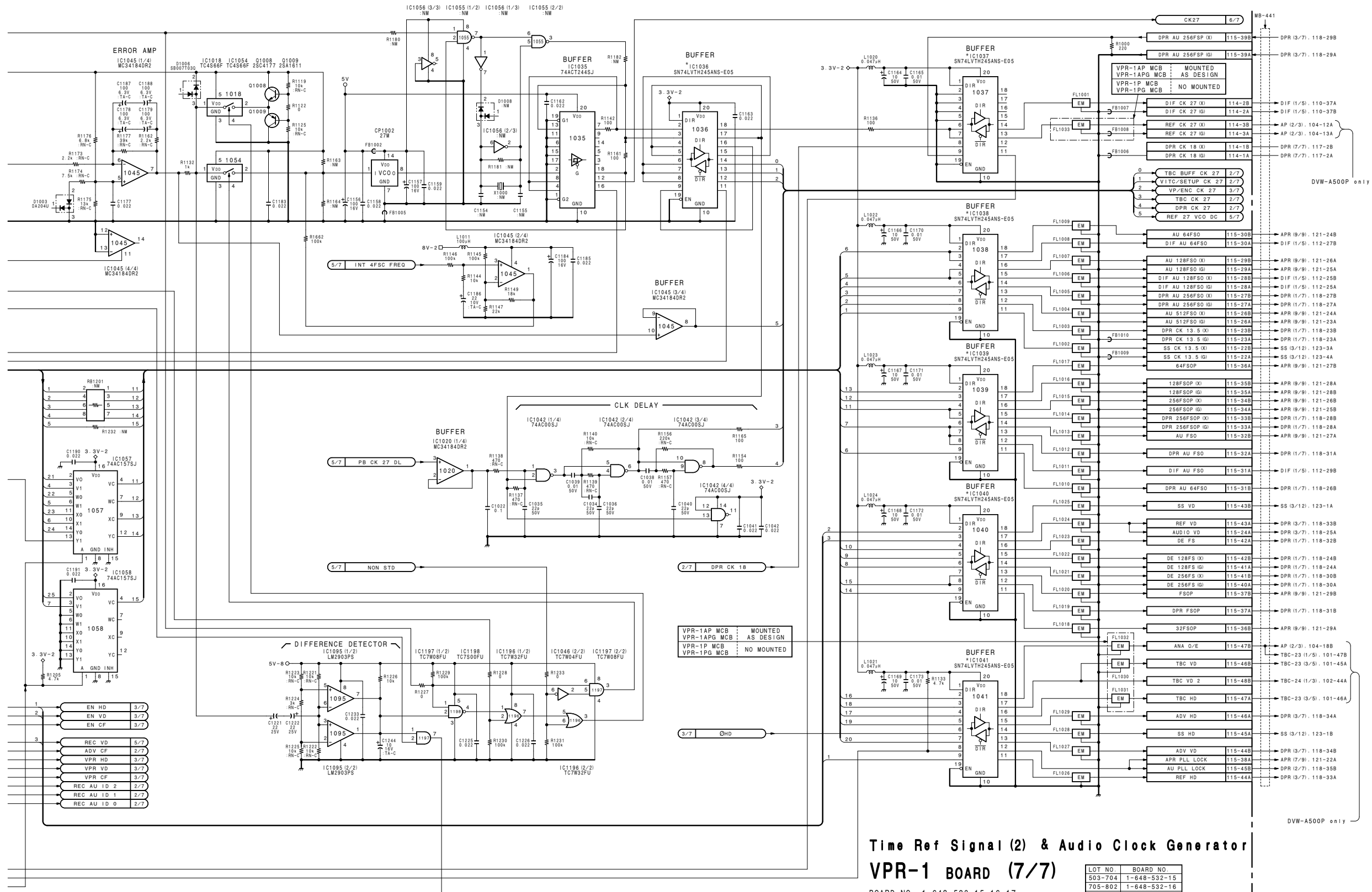
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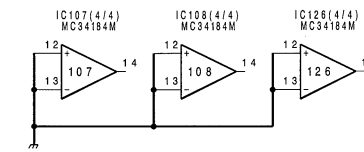
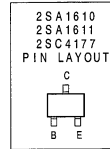
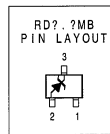
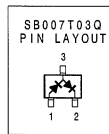


BOARD NO. 1-648-532-15. 16. 17
BOARD'S LOT NO. 503-908
DVW-A500P (EK) : VPR-1AP MCB
DVW-A500P (UC) : VPR-1APG MCB
DVW-500P (EK) : VPR-1P MCB
DVW-500P (UC) : VPR-1PG MCB
DVW-VPR1-PAL-REC-S/M-04-E



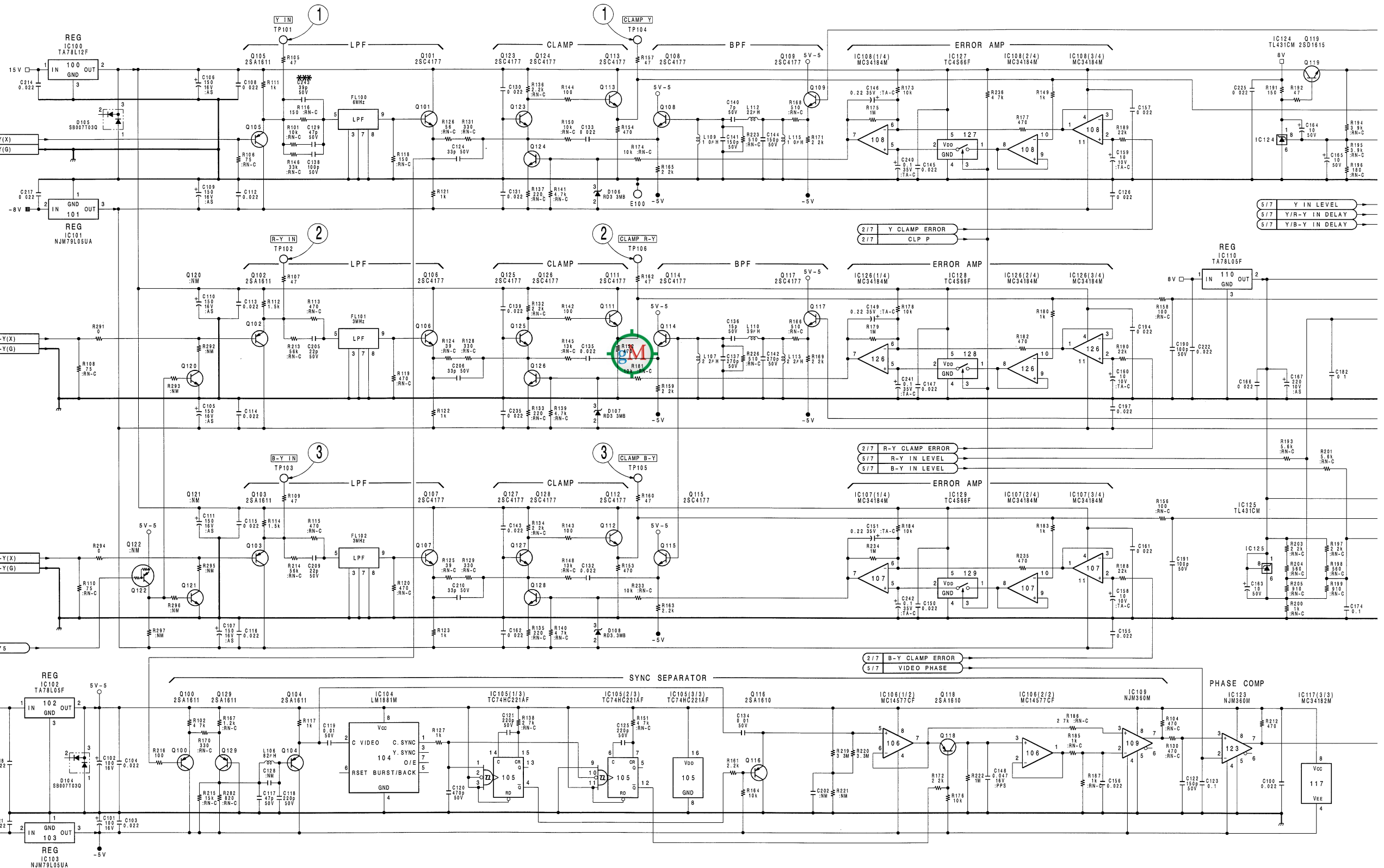


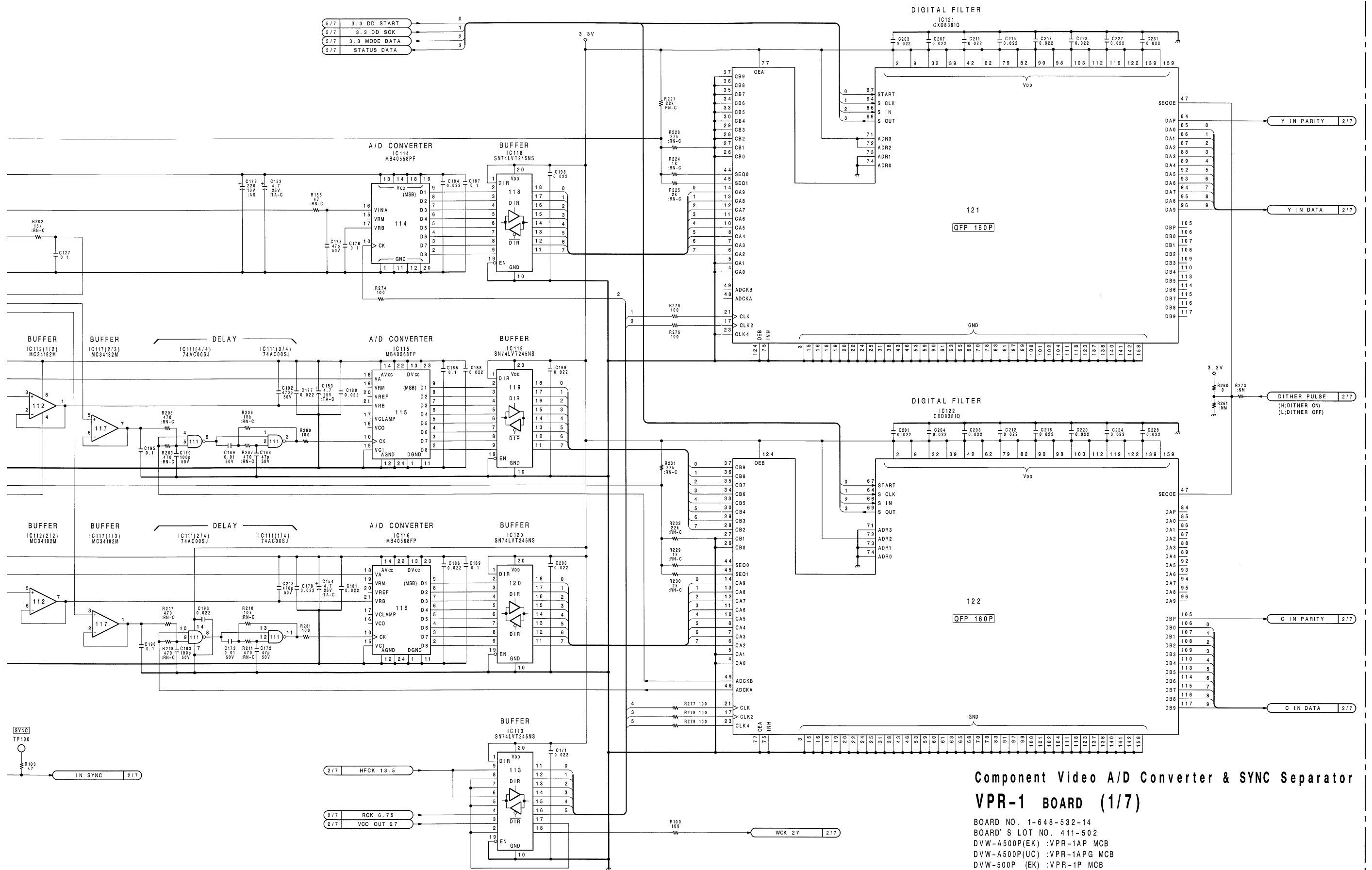
NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

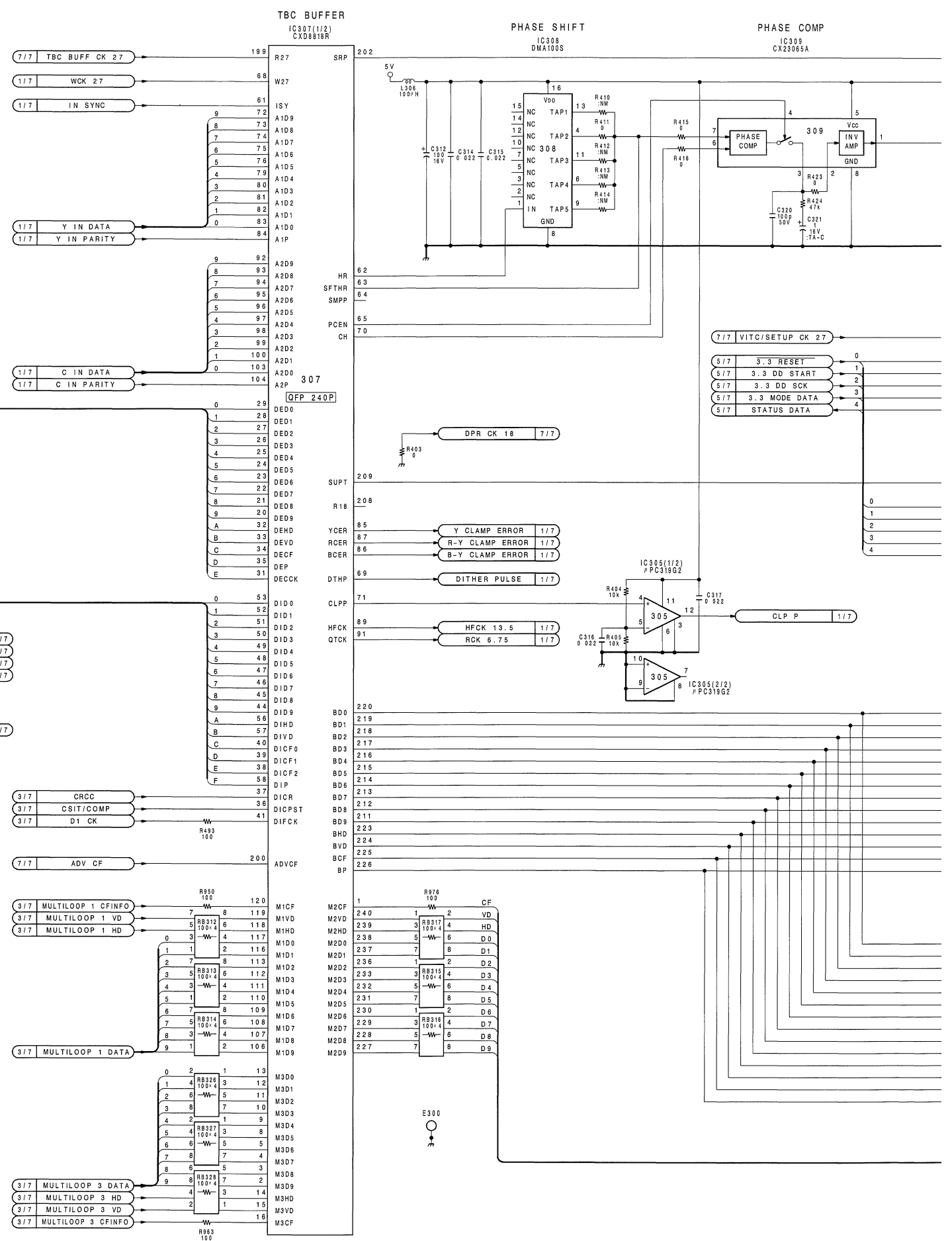


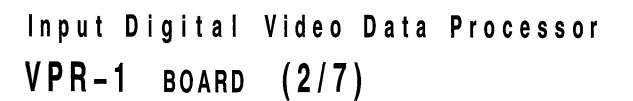
The Ref.Nos.marked with *** on the schematic diagram in this page are not printed on the printed circuit board (of the following board No.) with silk screen.

VPR-1 BOARD: 1-648-532-14









DVW-VPRI-PAL-REC-S/M-04-D

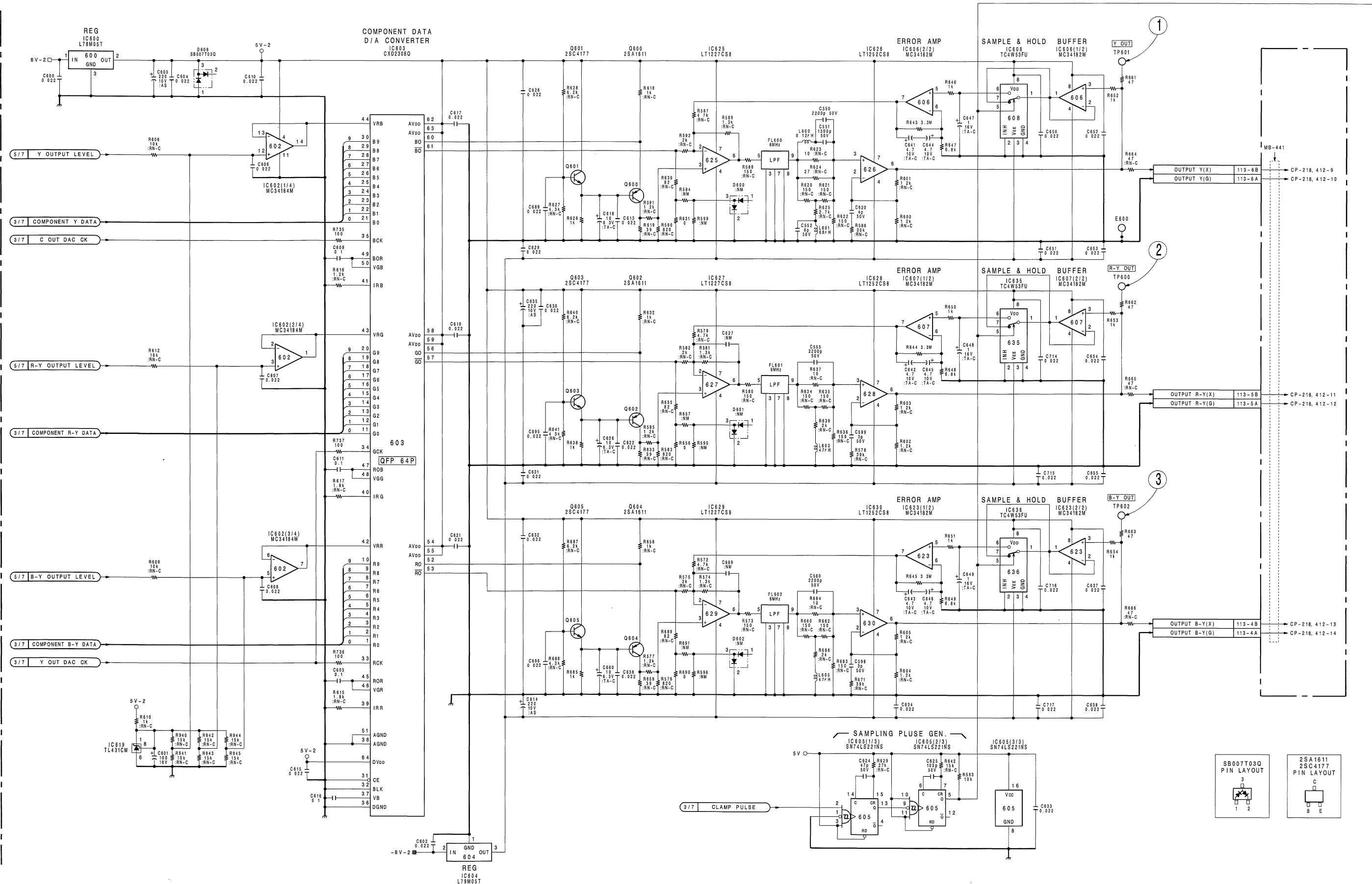
NOTE;
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

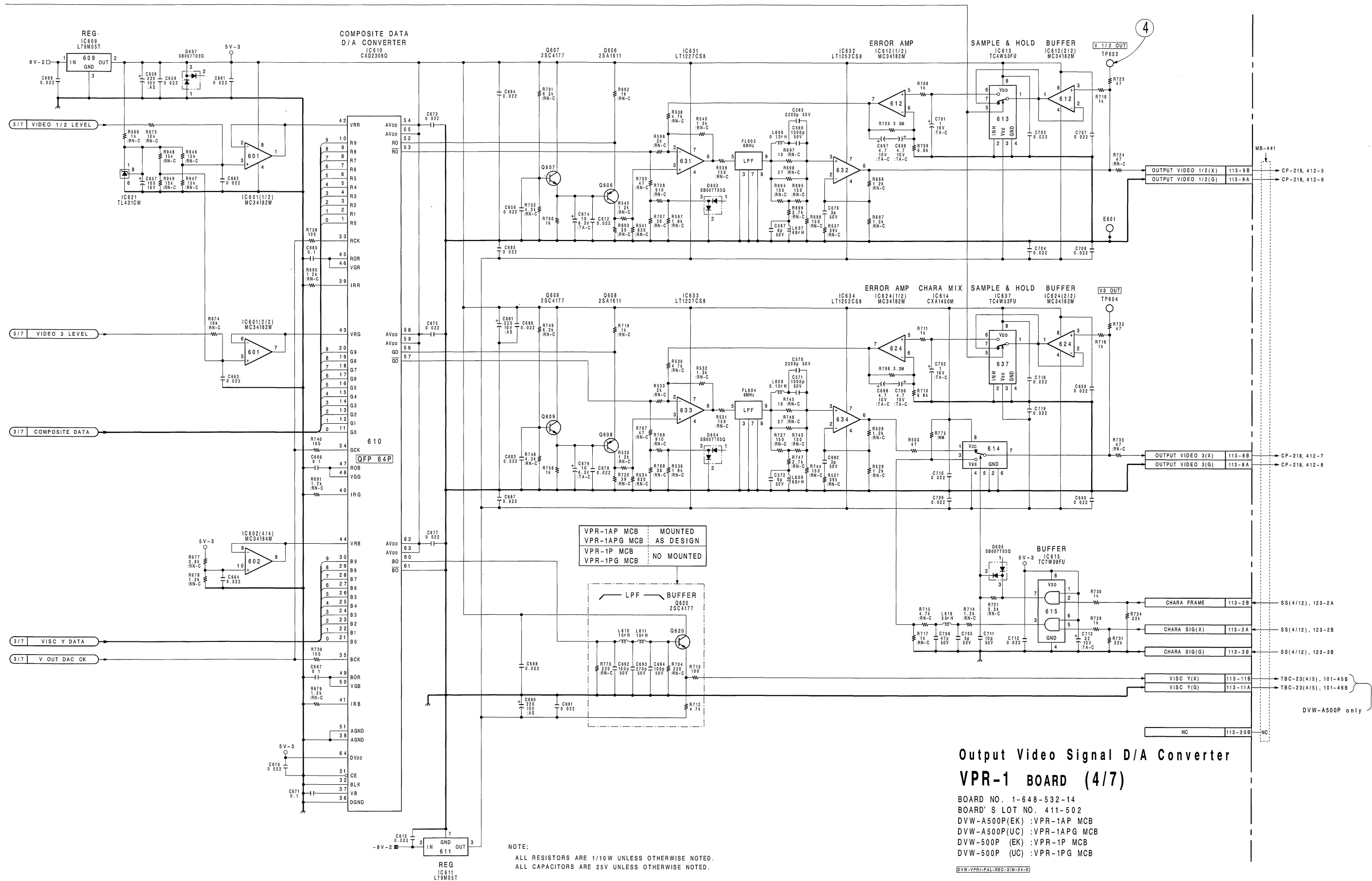




BOARD NO. 1-648-532-14
BOARD' S LOT NO. 411-502
DVW-A500P(EK) :VPR-1AP MCB
DVW-A500P(UC) :VPR-1APG MCB
DVW-500P (EK) :VPR-1P MCB
DVW-500P (UC) :VPR-1PG MCB

DVW-VPR1-PAL-REC-S/M-04-D





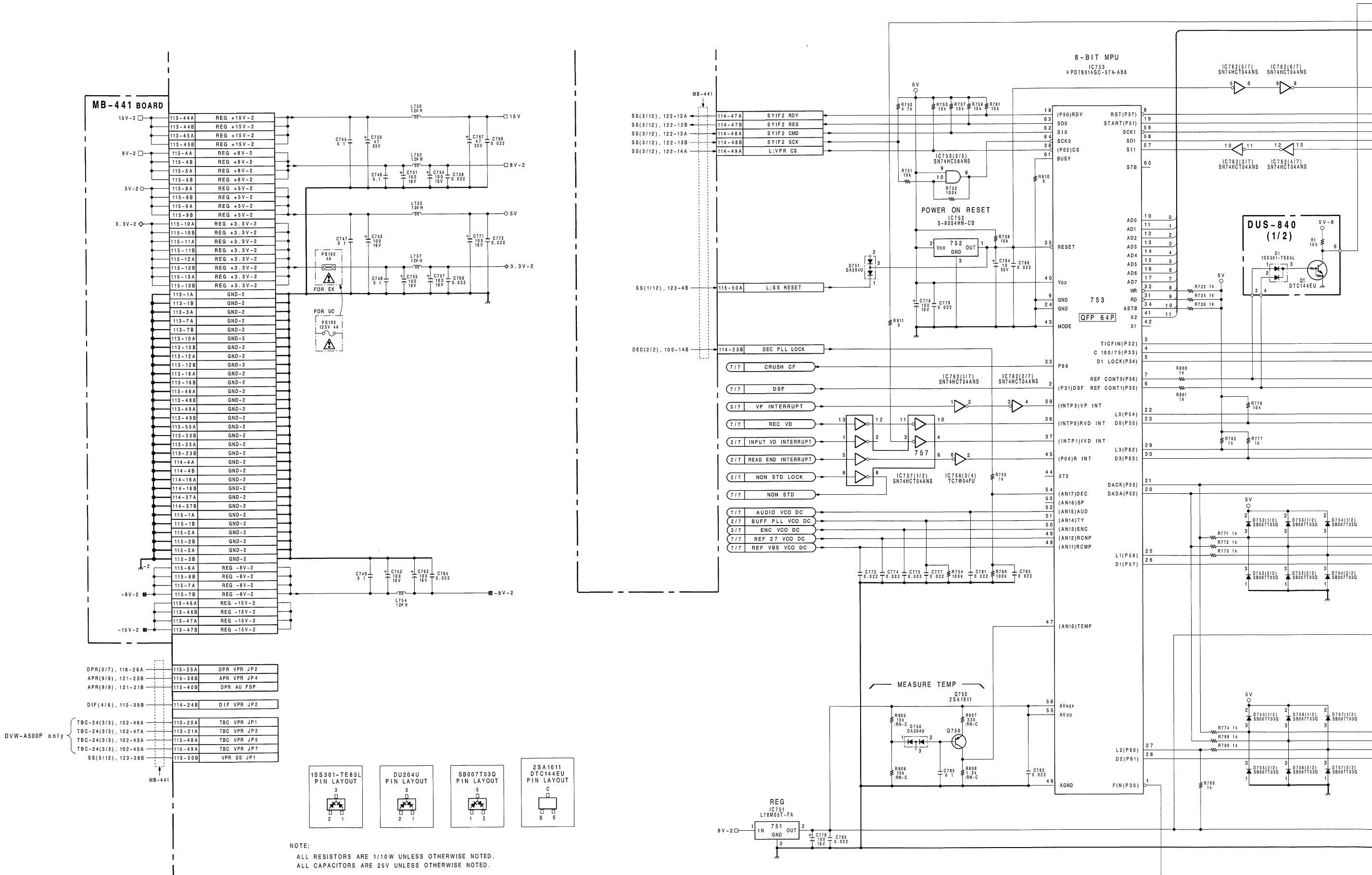
1

2

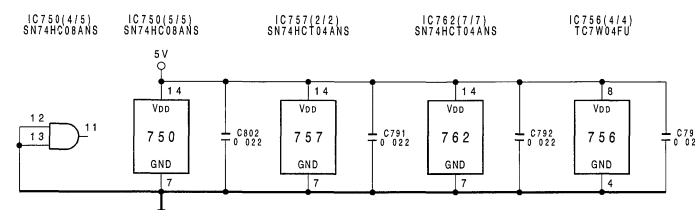
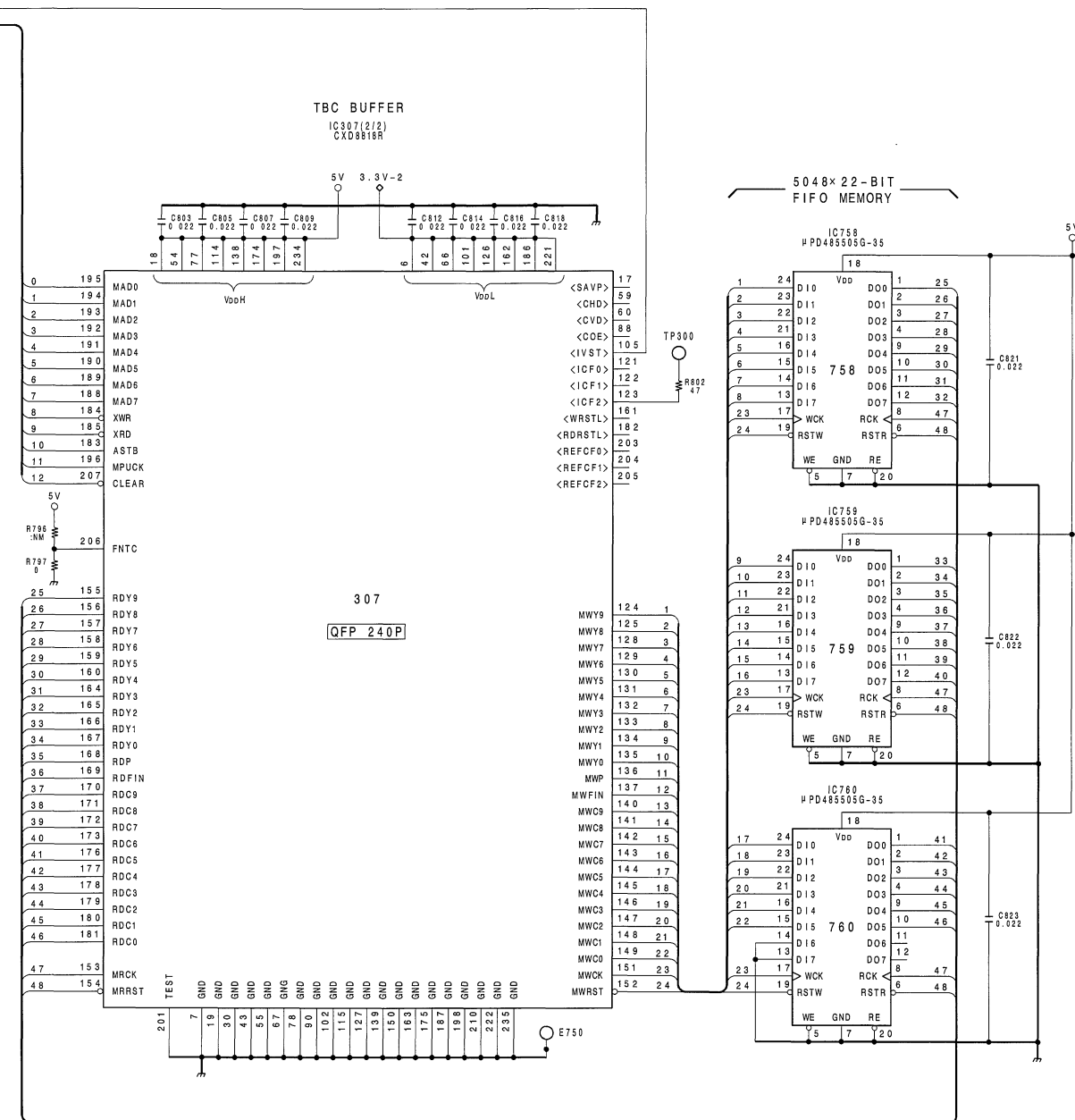
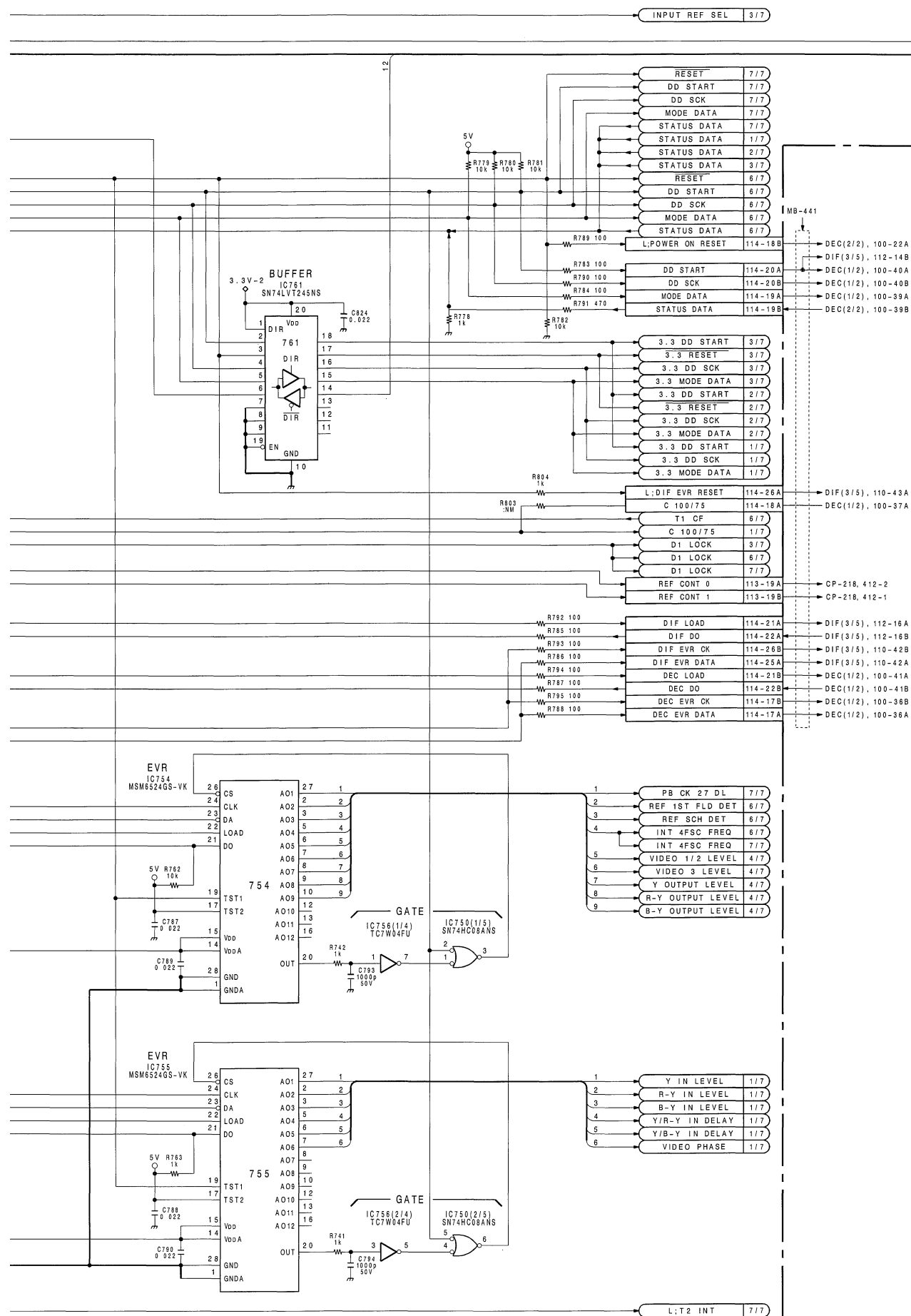
3

4

5



NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.



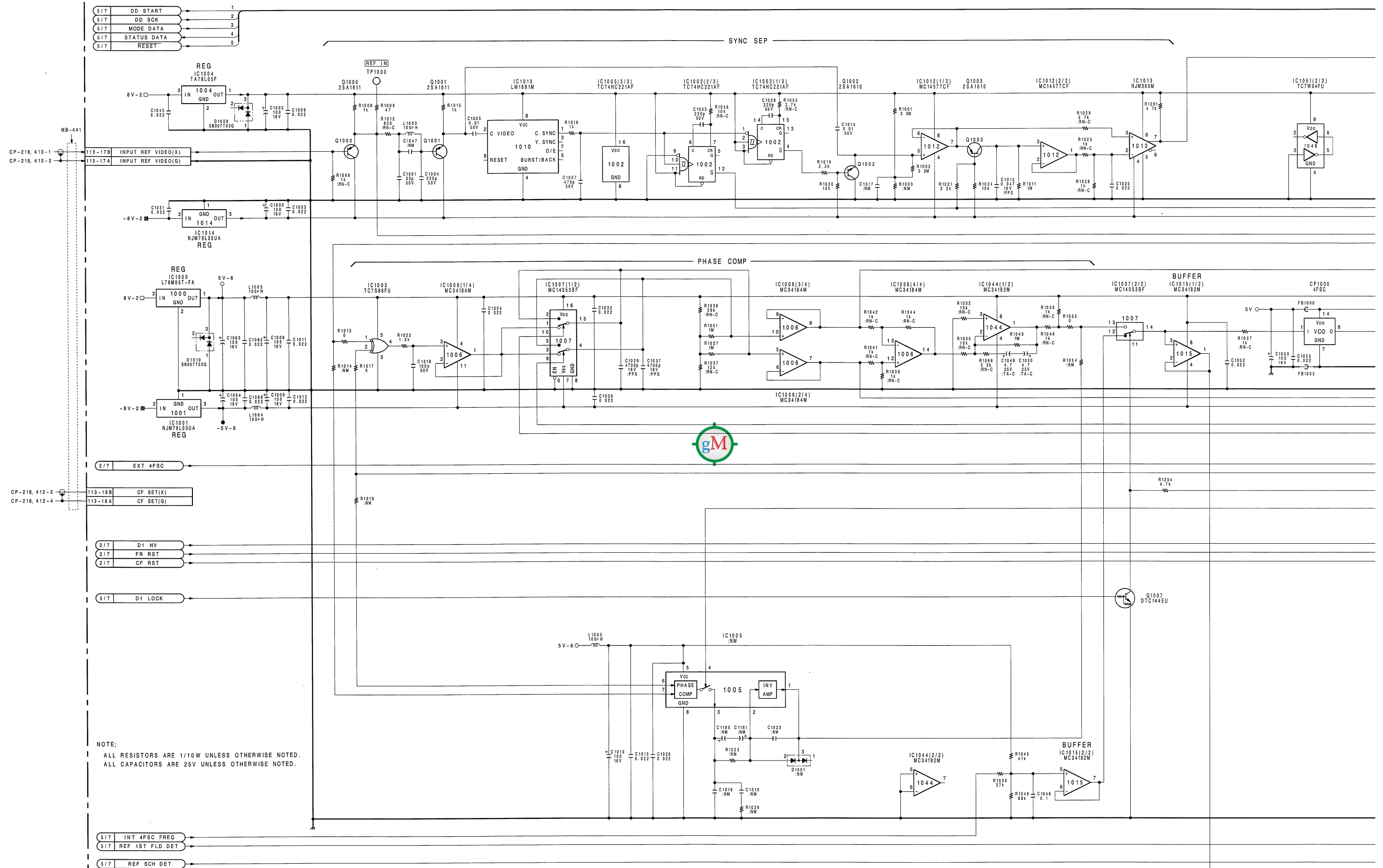
DUS-840 BOARD (1/2)

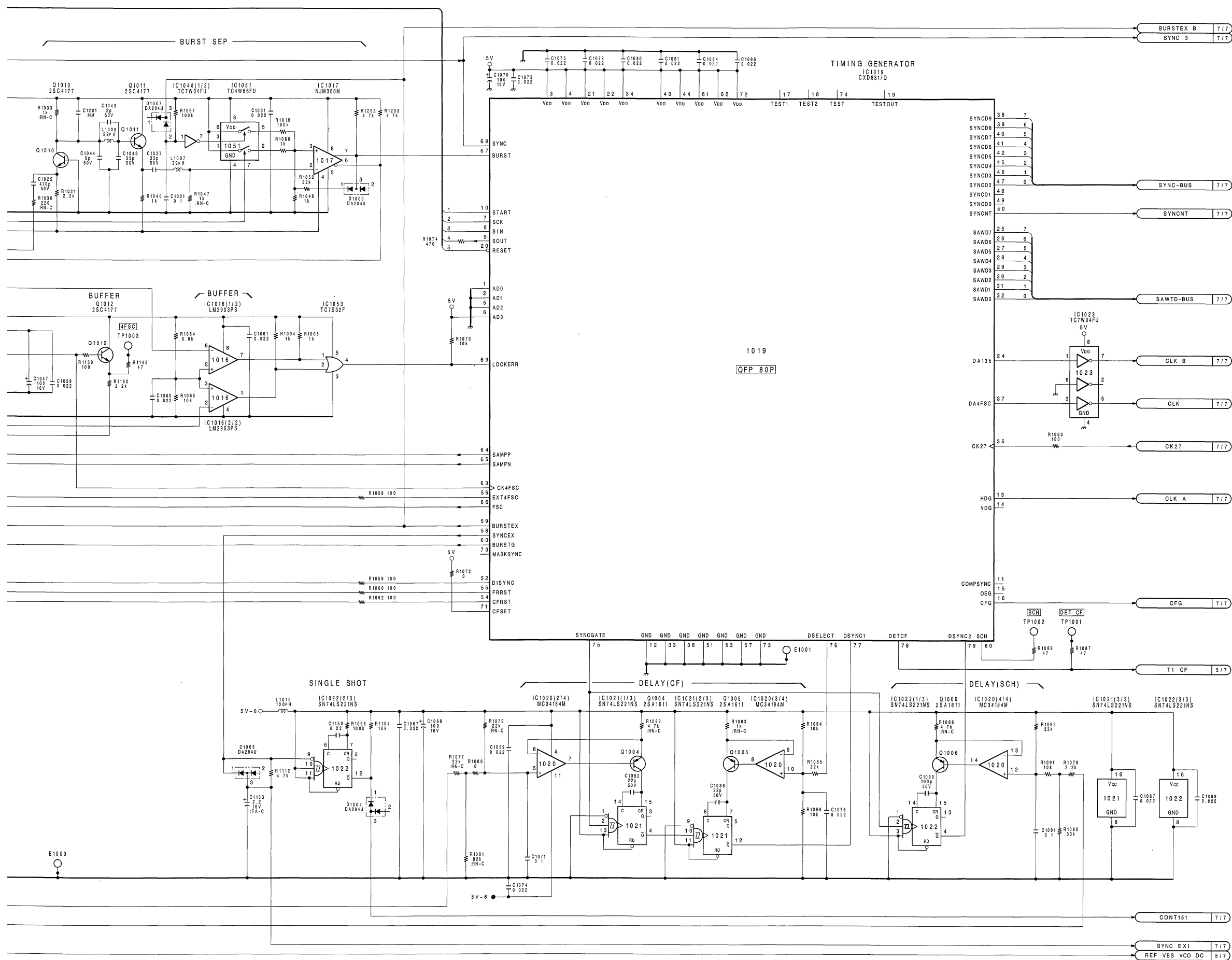
BOARD NO. 1-657-167-11

Video Process Control
VPR-1 BOARD (5/7)

BOARD NO. 1-648-532-14
BOARD' S LOT NO. 411-502
DVW-A500P(EK) :VPR-1AP MCB
DVW-A500P(UC) :VPR-1APG MCB
DVW-500P (EK) :VPR-1P MCB
DVW-500P (UC) :VPR-1PG MCB

DVW-VPR1-PAL-REC-S/M-04-D

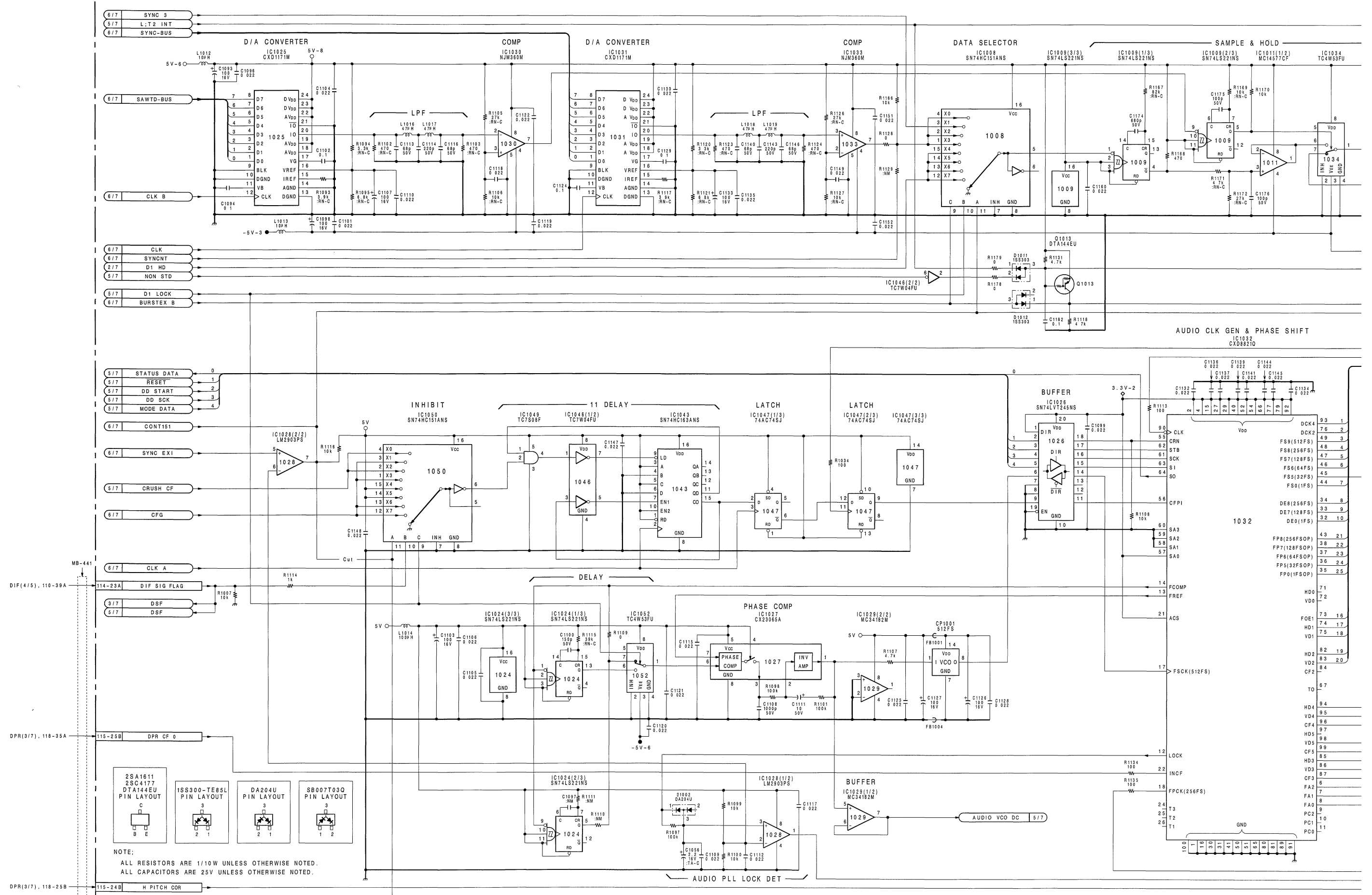


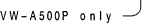


Time Ref Signal(1) VPR-1 BOARD (6/7)

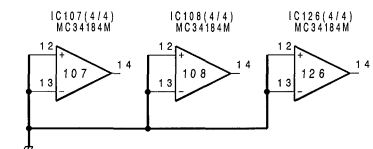
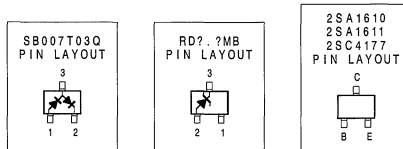
BOARD NO. 1-648-532-14
BOARD'S LOT NO. 411-502
DVW-A500P(EK) :VPR-1AP MCB
DVW-A500P(UC) :VPR-1APG MCB
DVW-500P (EK) :VPR-1P MCB
DVW-500P (UC) :VPR-1PG MCB

DVW-VPR1-PAL-REC-SIM-64-B



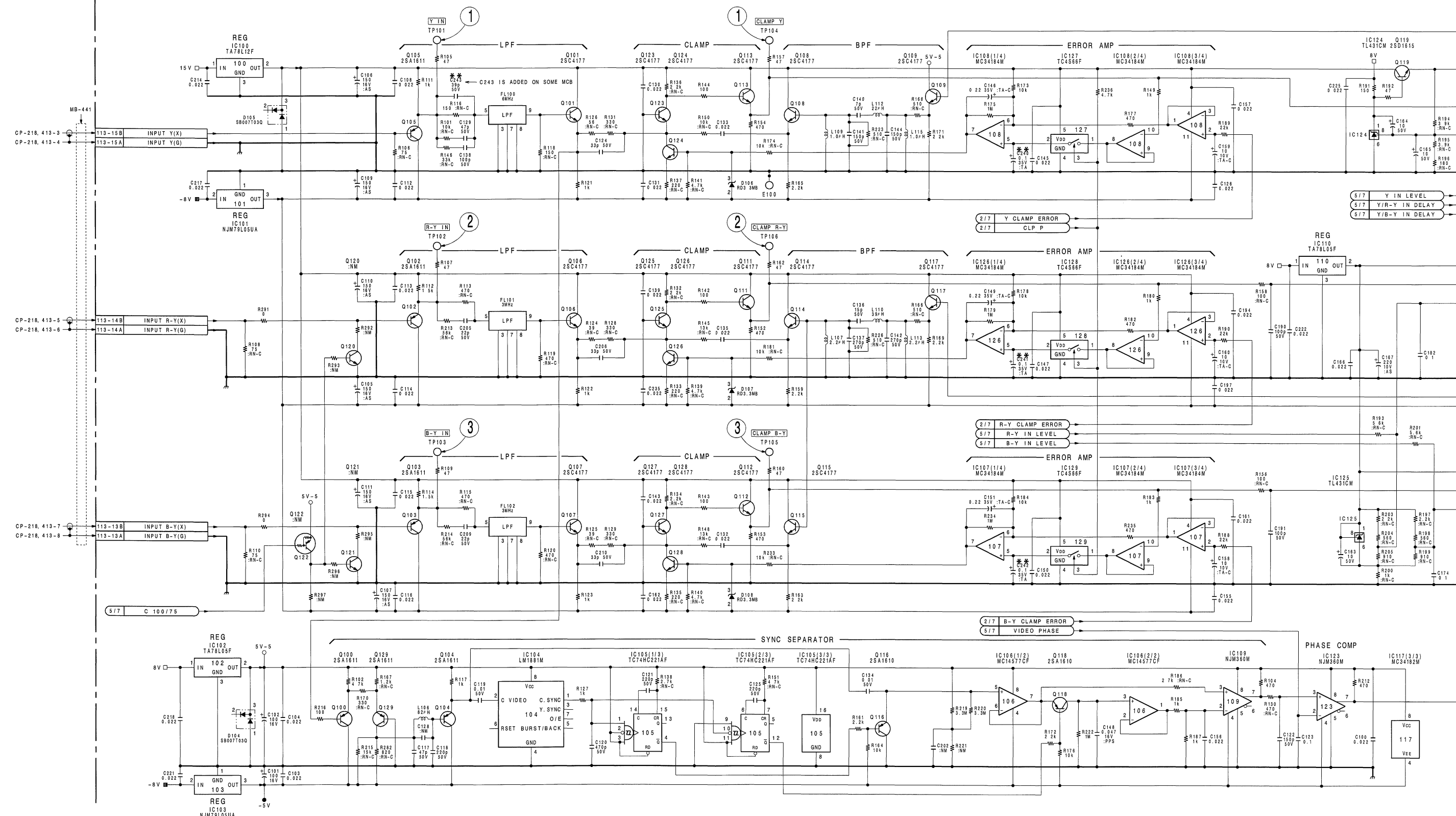


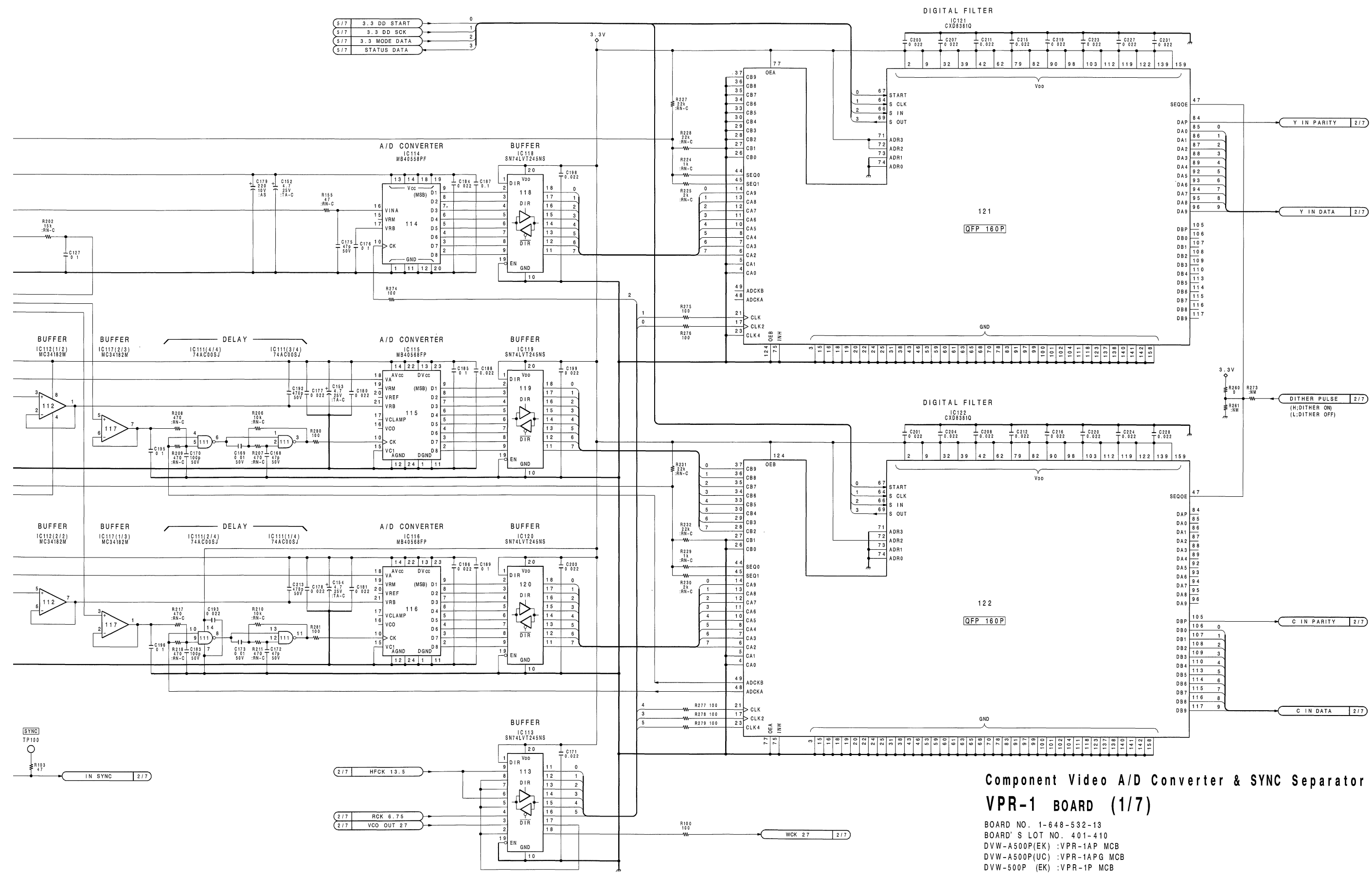
NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.



The Ref.Nos. marked with ** on the schematic diagram in this page are not printed on the printed circuit board (of the following board No.) with silk screen.

VPR-1 BOARD: 1-648-532-13

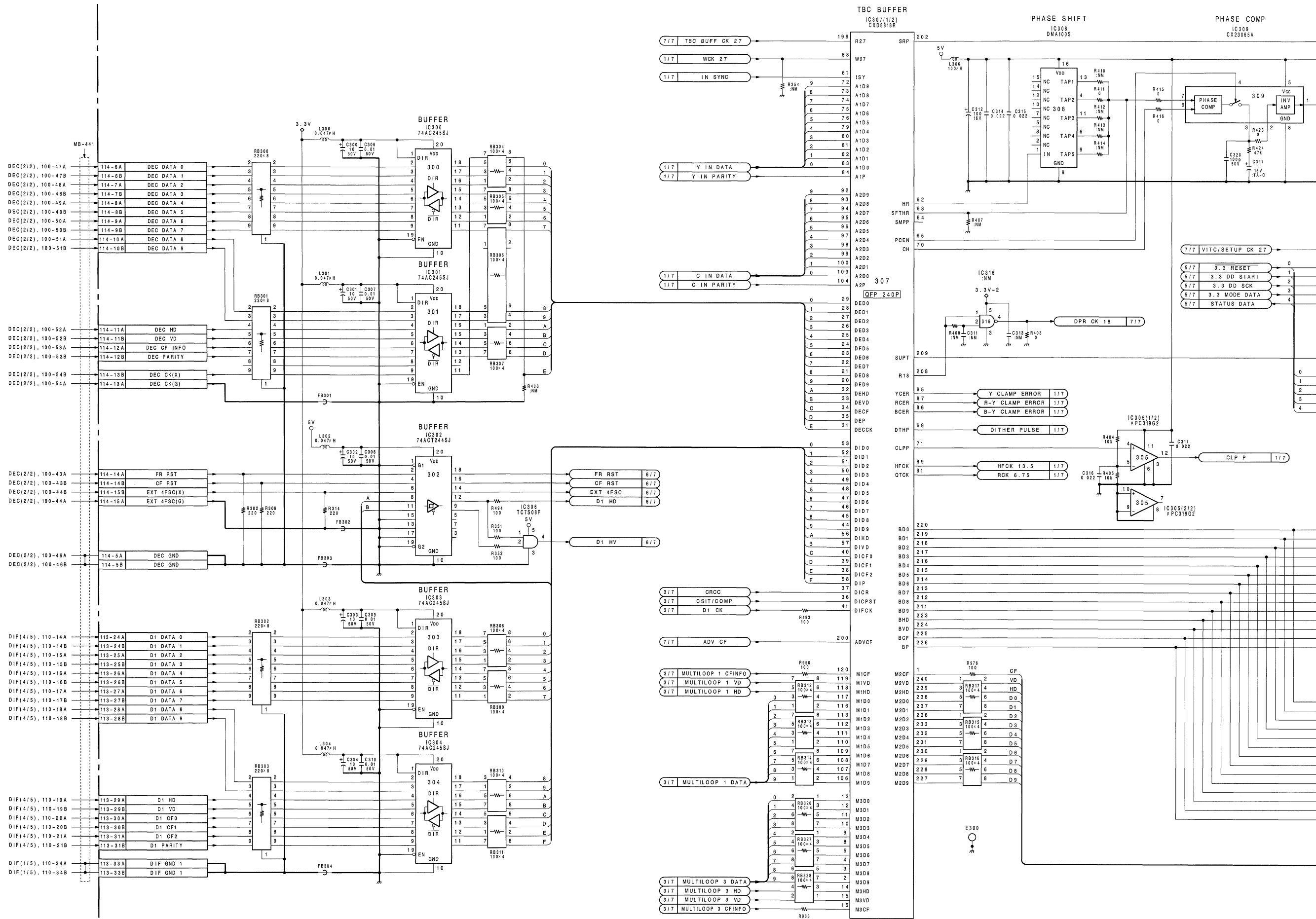


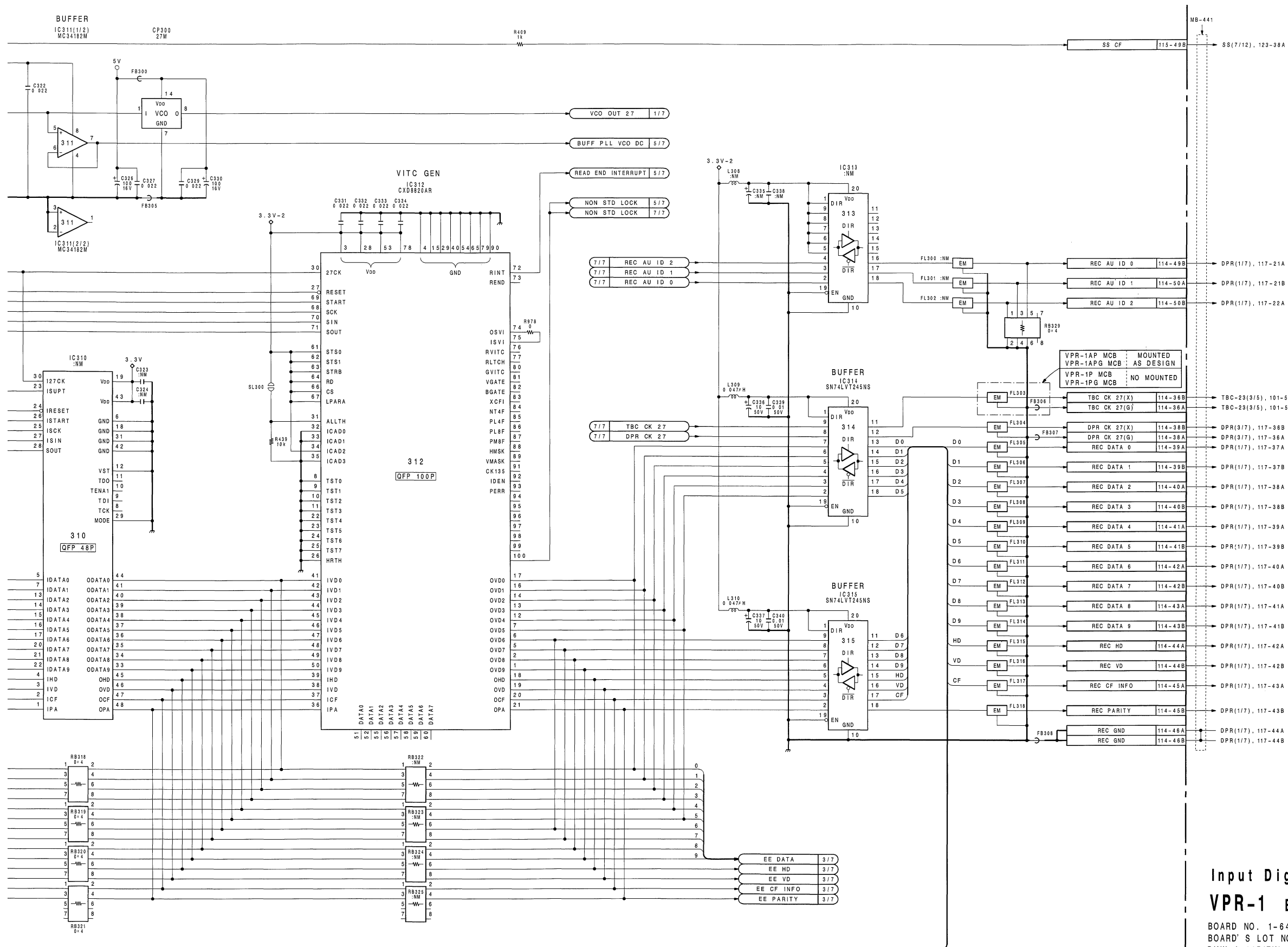


**Component Video A/D Converter & SYNC Separator
VPR-1 BOARD (1/7)**

BOARD NO. 1-648-532-13
BOARD'S LOT NO. 401-410
DVW-A500P(EK) :VPR-1AP MCB
DVW-A500P(UC) :VPR-1APG MCB
DVW-500P (EK) :VPR-1P MCB
DVW-500P (UC) :VPR-1PG MCB

DVW-VPR1-PAL-REC-SIM-04-C





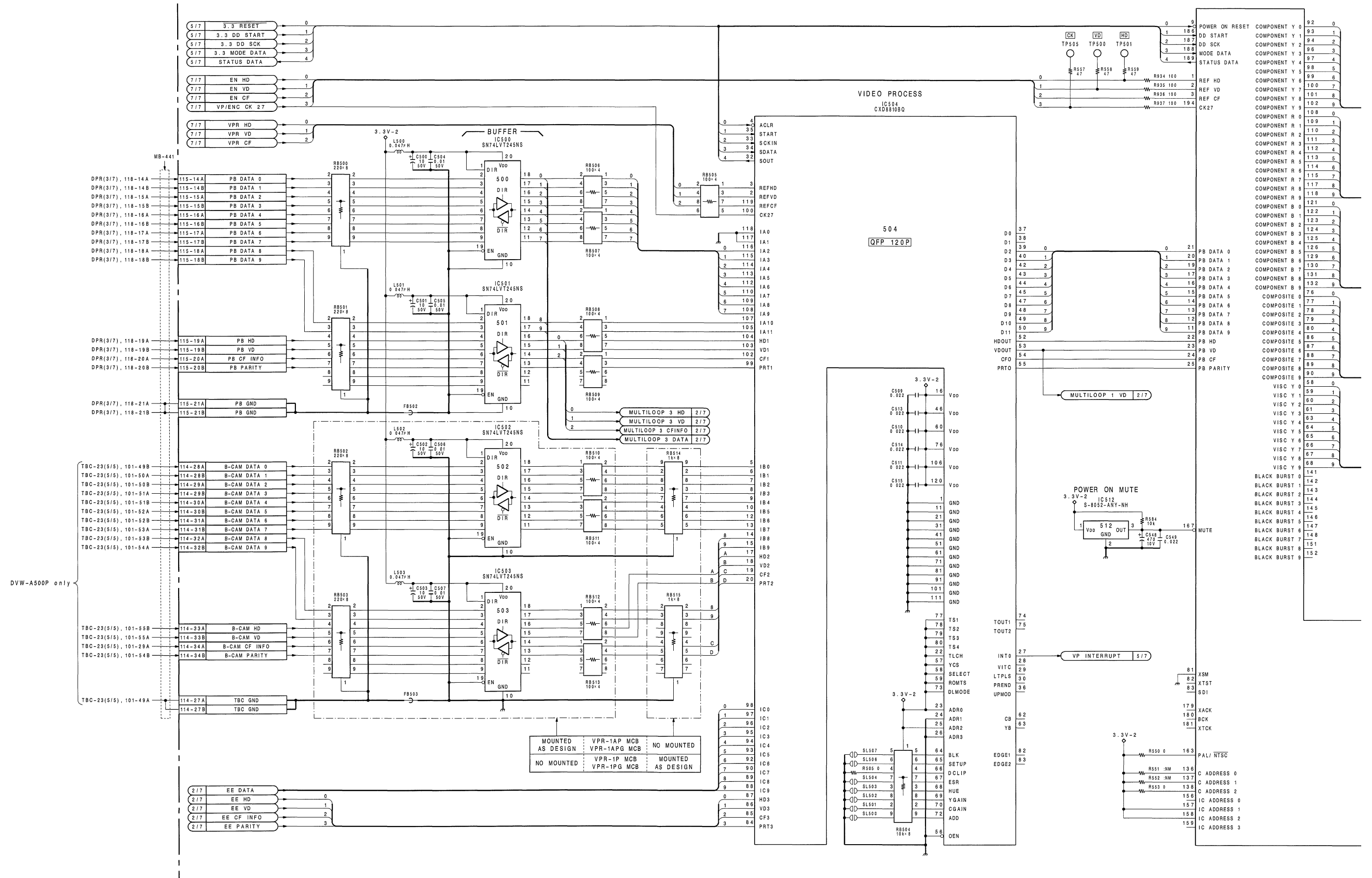
Input Digital Video Data Processor VPR-1 BOARD (2/7)

BOARD NO. 1-648-532-13
BOARD'S LOT NO. 401-410
DVW-A500P(EK) :VPR-1AP MCB
DVW-A500P(UC) :VPR-1APG MCB
DVW-500P (EK) :VPR-1P MCB
DVW-500P (UC) :VPR-1PG MCB

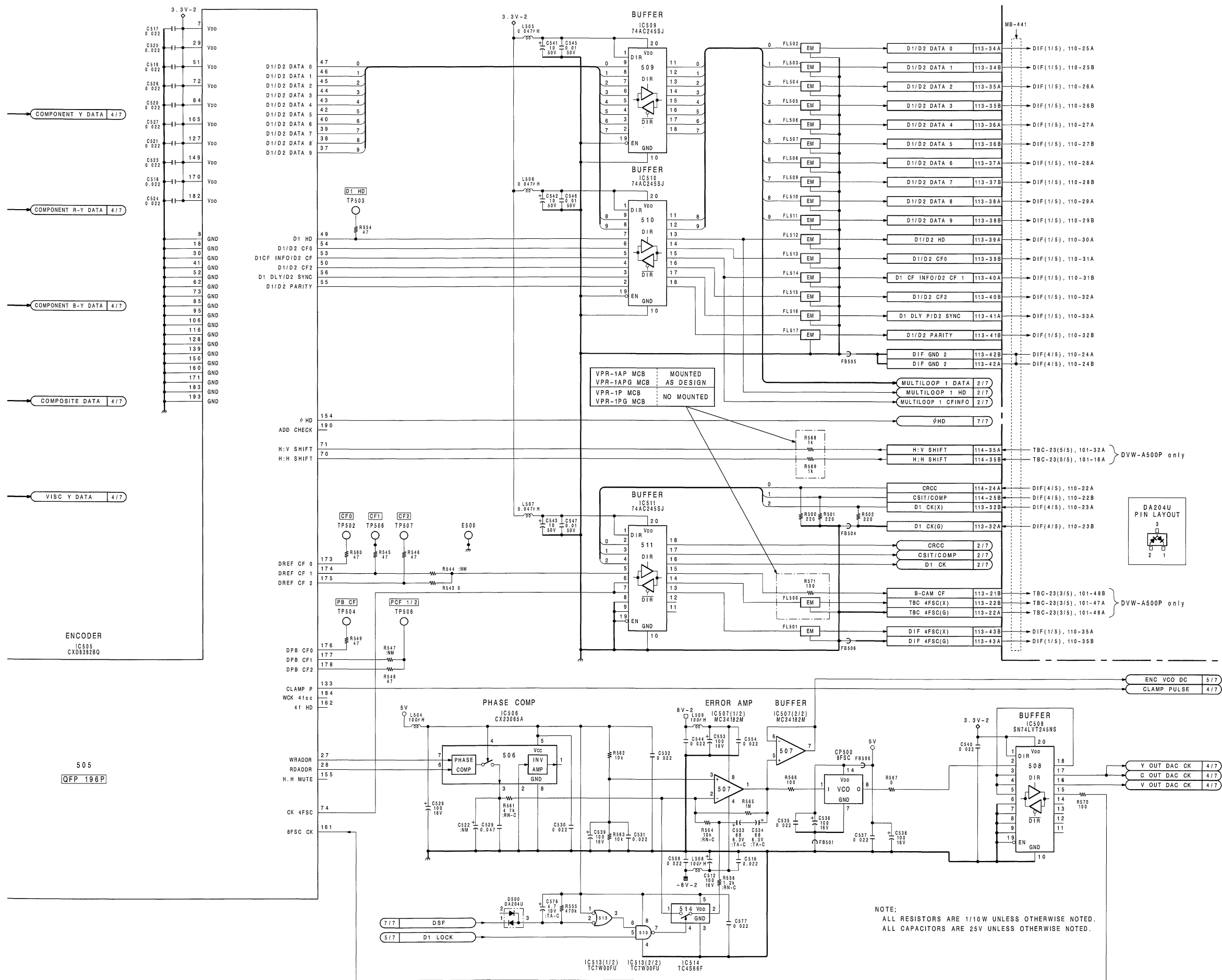
NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

DVW-VPR1-PAL-REC-SHM-04-C

5



VPR-1 (3/7)



Digital Video Data Encoder

VPR-1 BOARD (3/7)

BOARD NO. 1-648-532-13
BOARD'S LOT NO. 401-410
DVW-A500P(EK) :VPR-1AP MCB
DVW-A500P(UC) :VPR-1APG MCB
DVW-500P (EK) :VPR-1P MCB
DVW-500P (UC) :VPR-1PG MCB

DVW-VPR1-PAL-REC-S/M-04-C

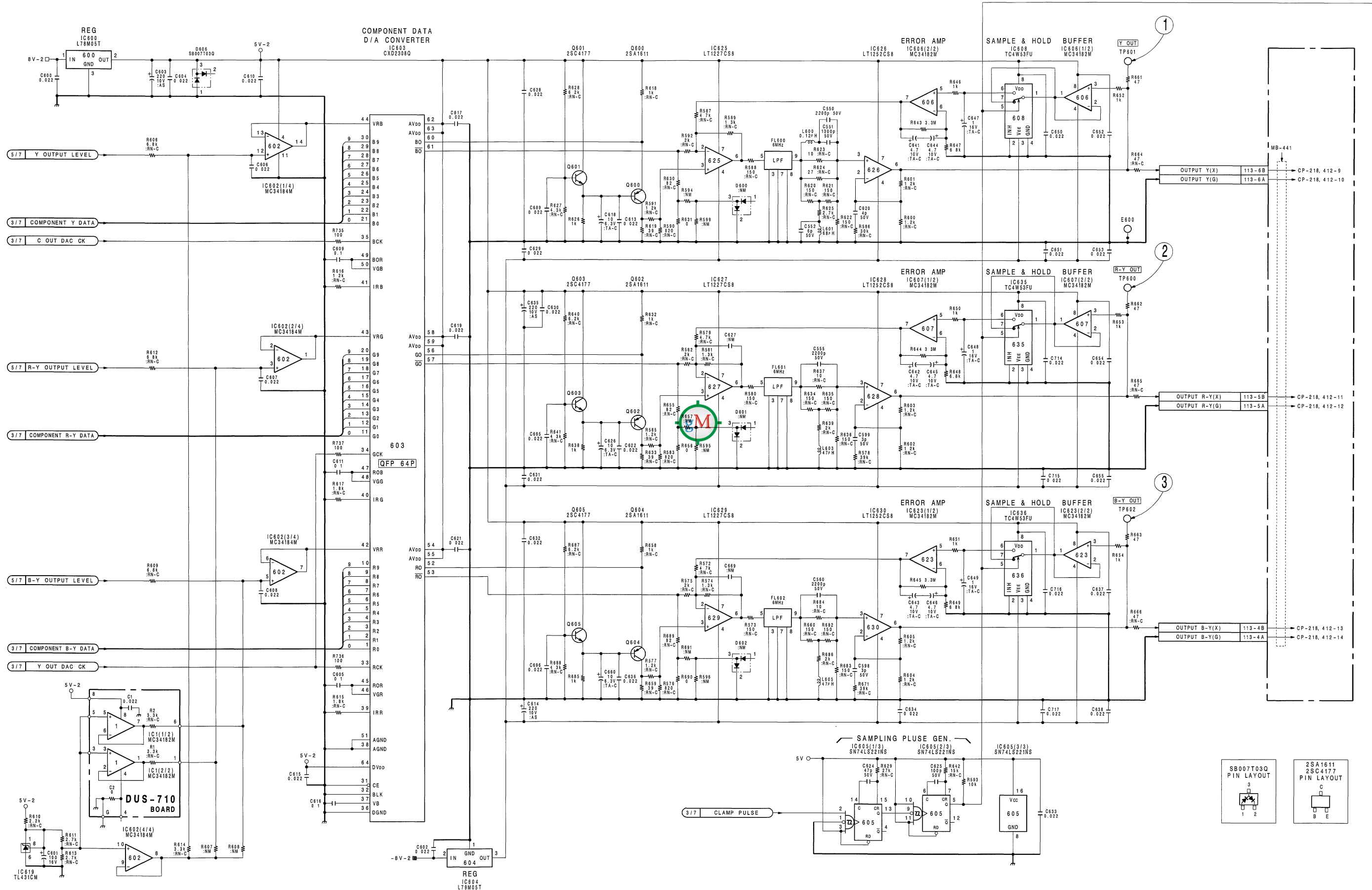
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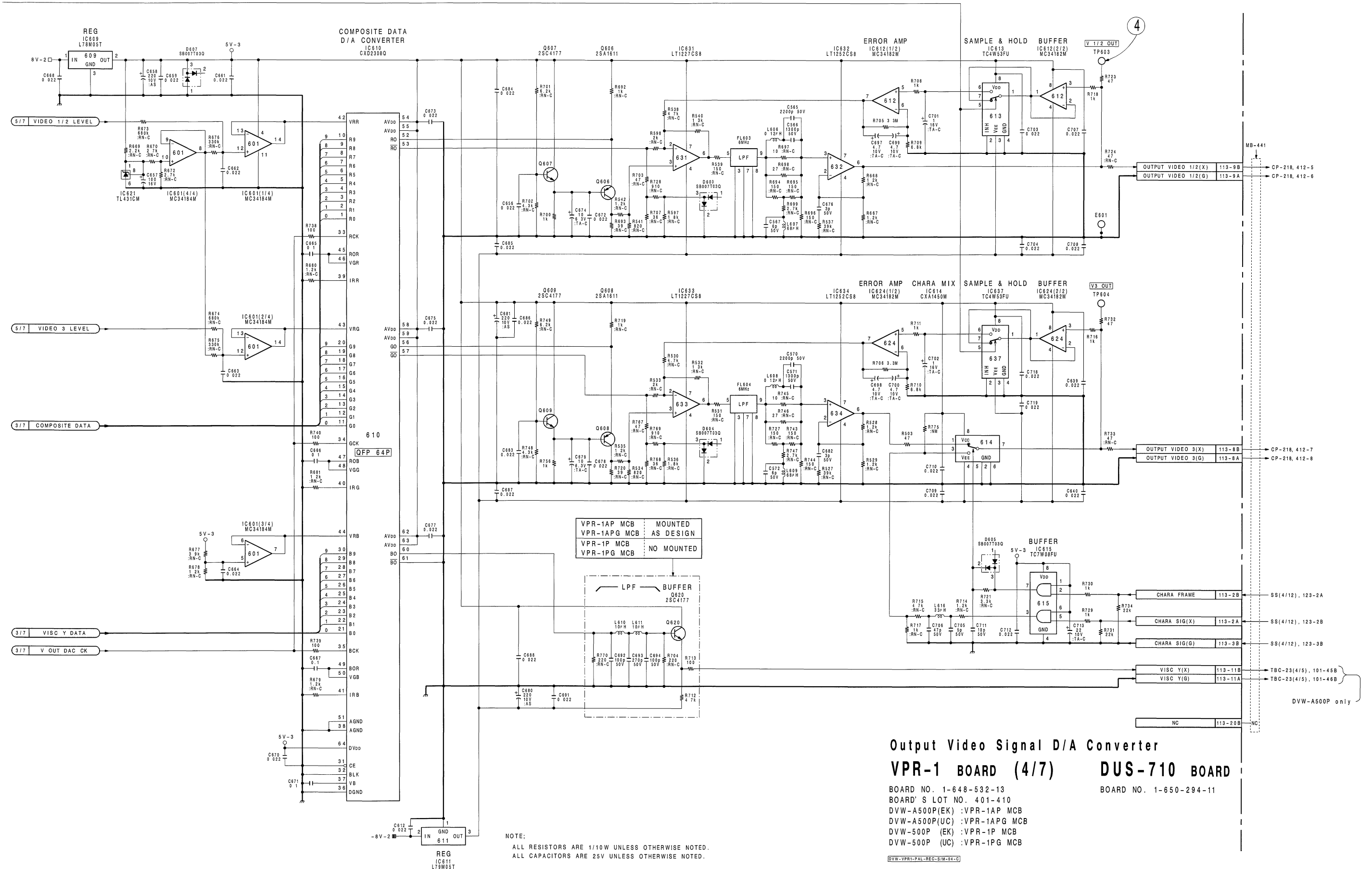
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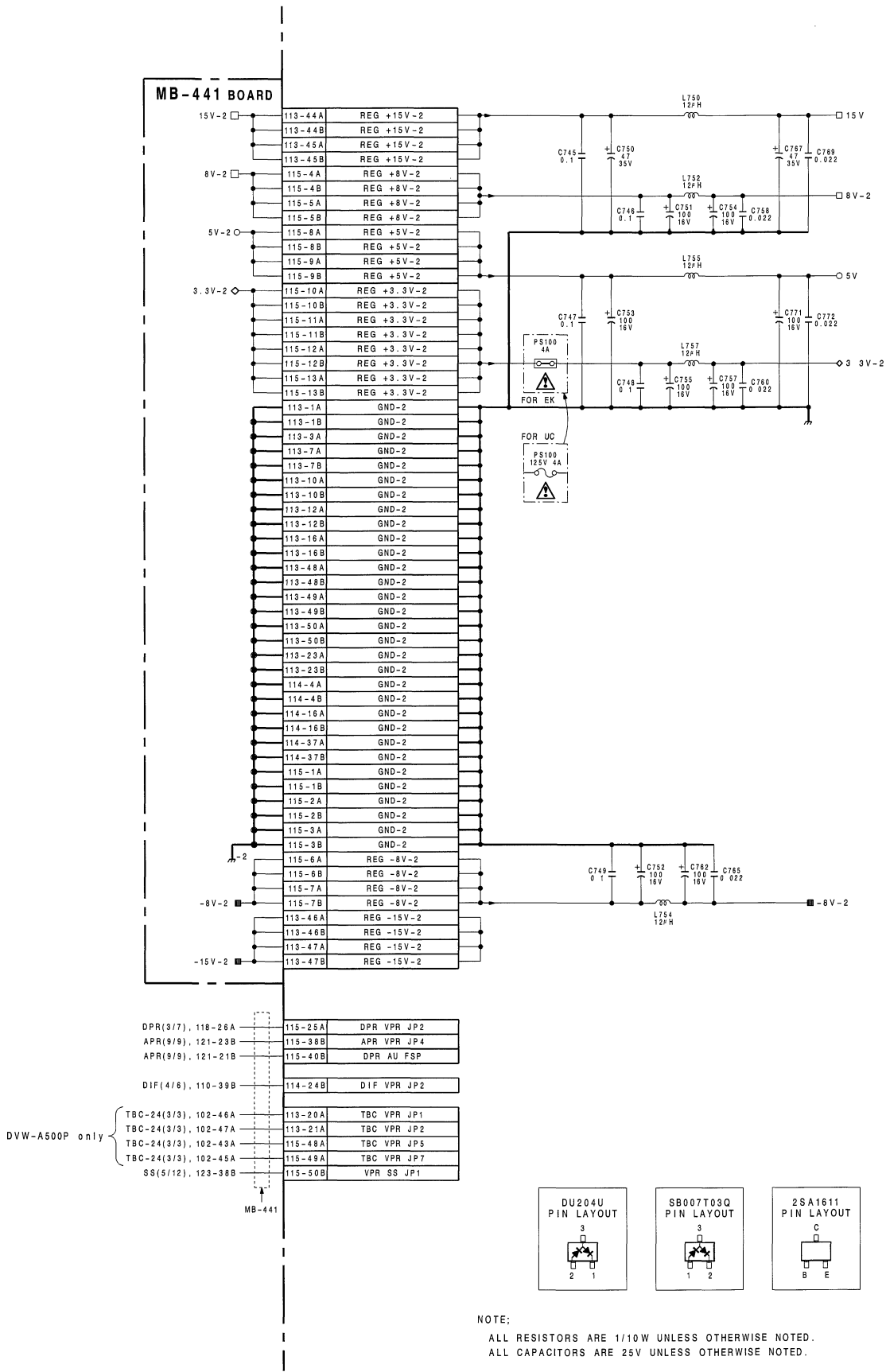
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4

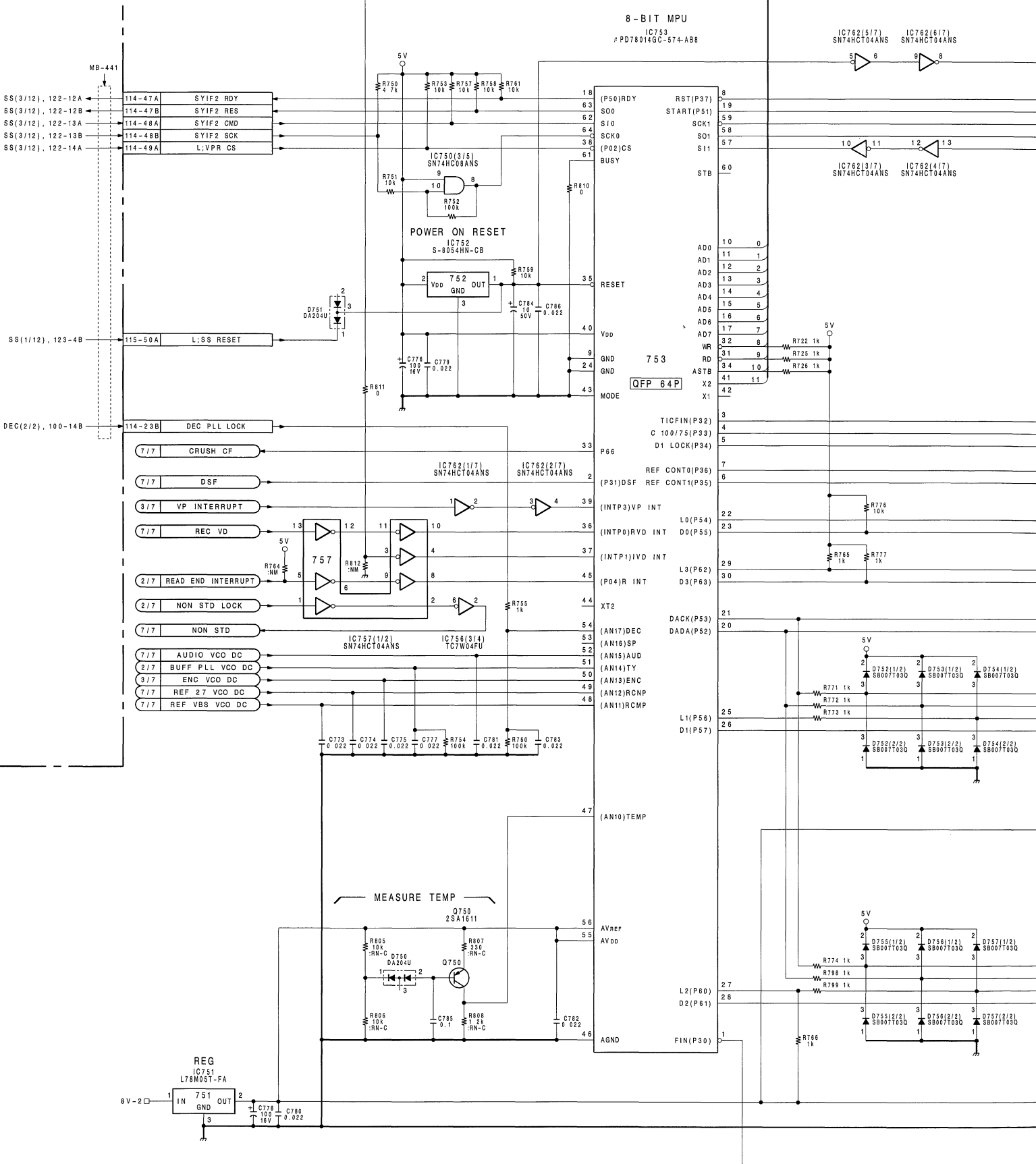
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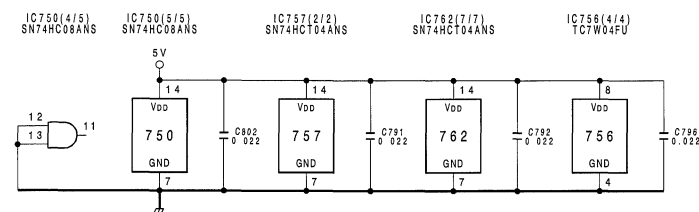




1-14 (c)

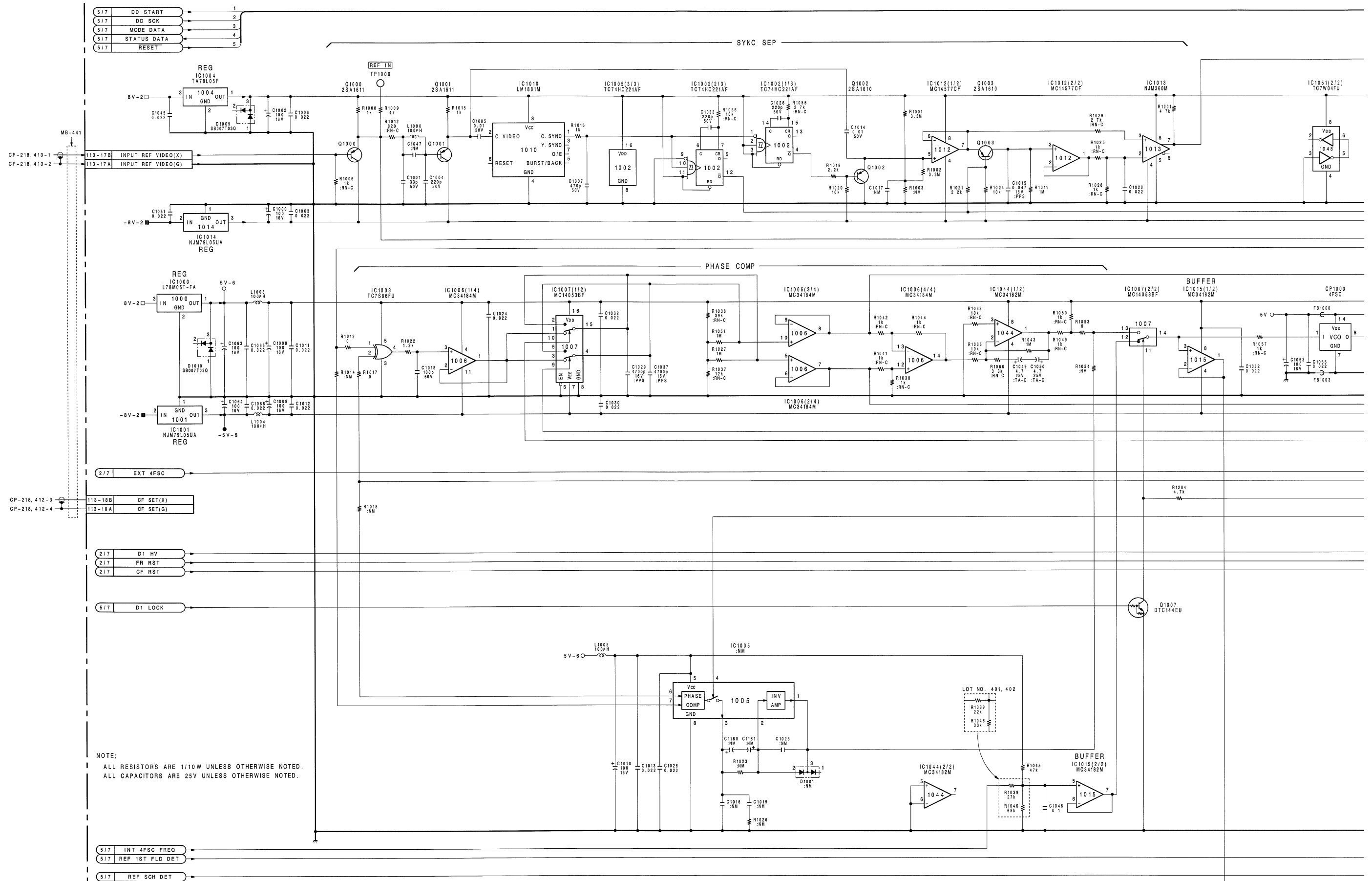


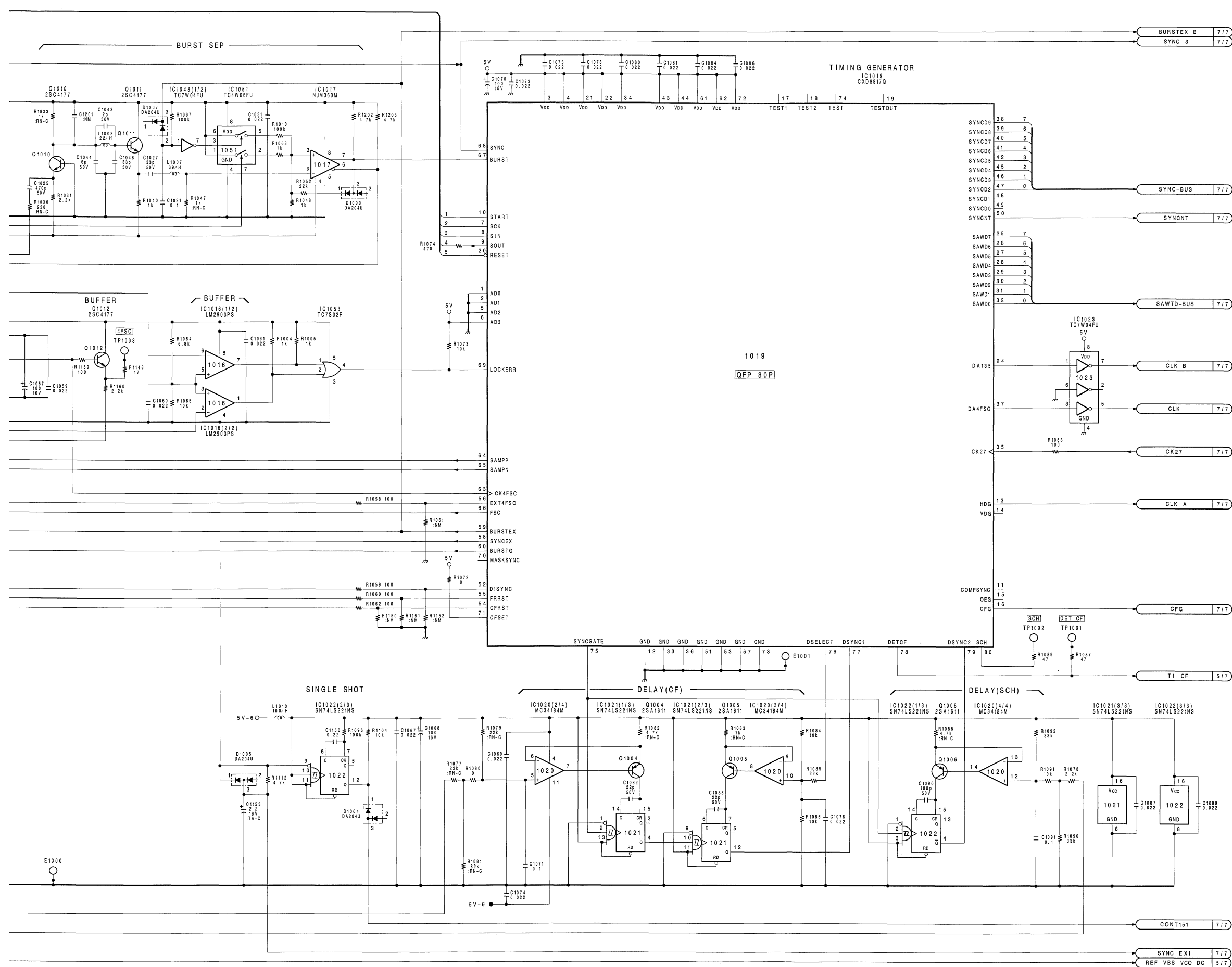
1-14 (c)



BOARD NO. 1-648-532-13
BOARD' S LOT NO. 401-410
DVW-A500P(EK) :VPR-1AP MCB
DVW-A500P(UC) :VPR-1APG MCB
DVW-500P (EK) :VPR-1P MCB
DVW-500P (UC) :VPR-1PG MCB

DVW-VPR1-PAL-REC-S/M-04-C

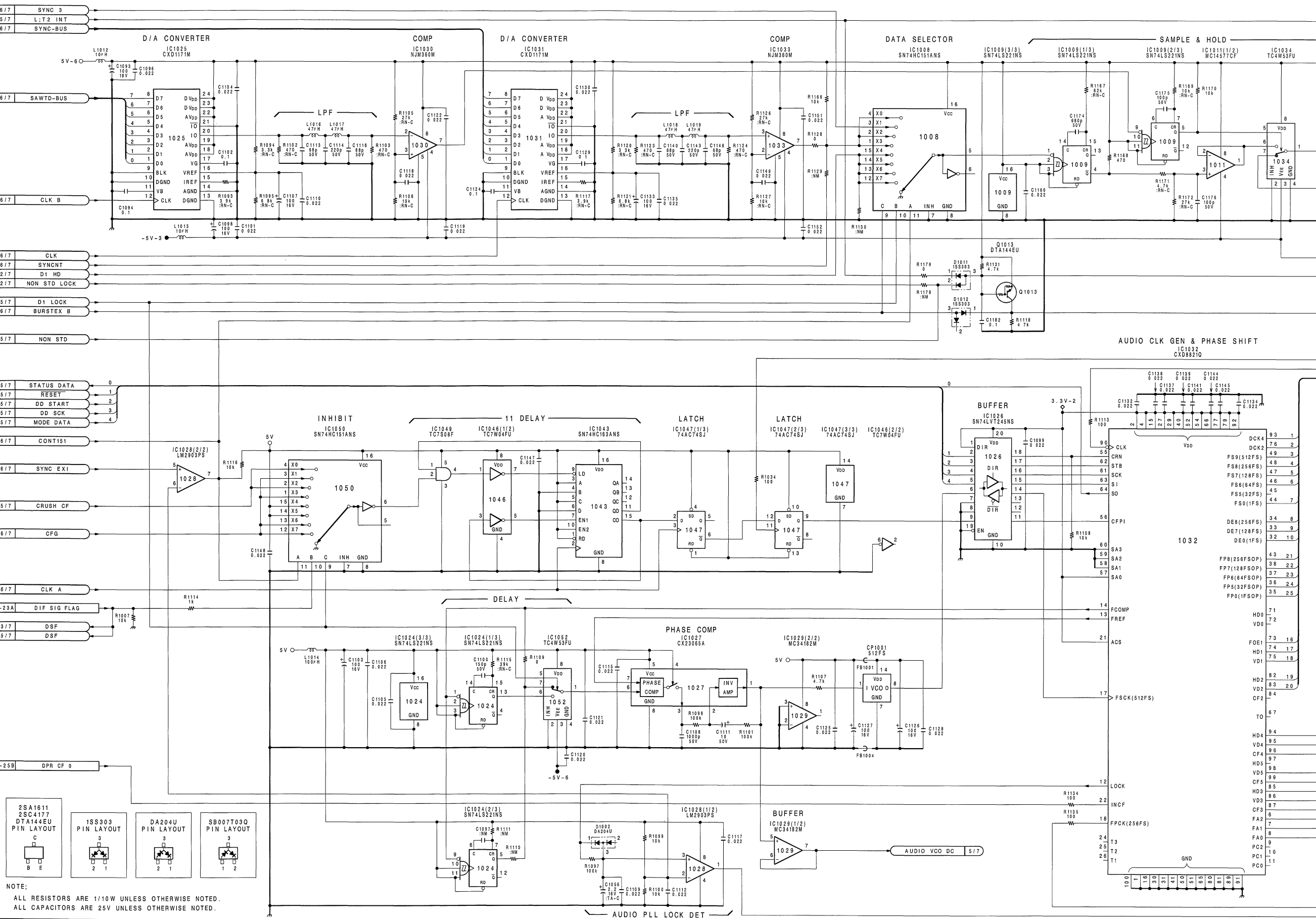


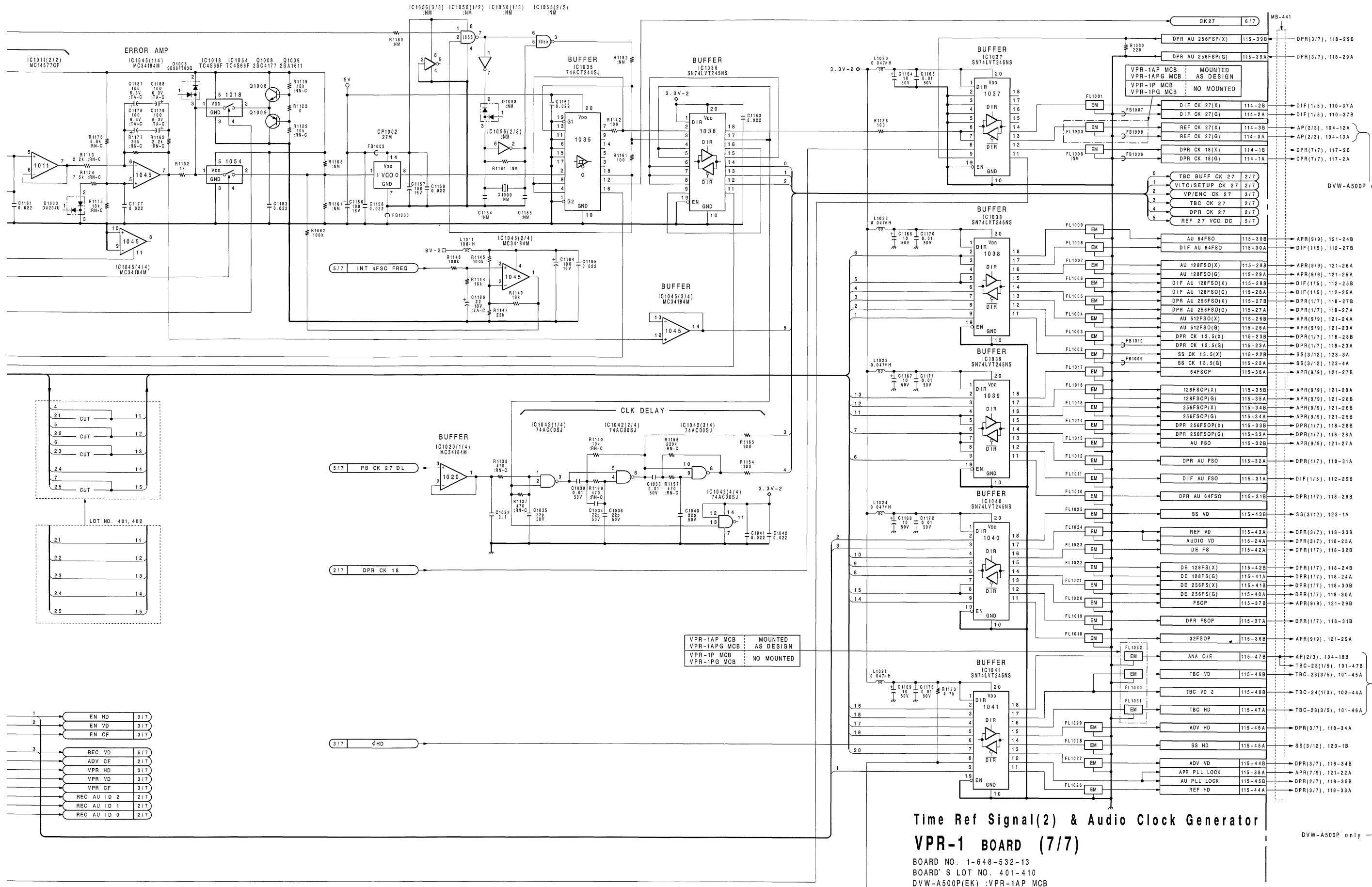


Time Ref Signal(1) VPR-1 BOARD (6/7)

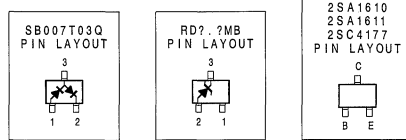
BOARD NO. 1-648-532-13
BOARD' S LOT NO. 401-410
DVW-A500P(EK) :VPR-1AP MCB
DVW-A500P(UC) :VPR-1APG MCB
DVW-500P (EK) :VPR-1P MCB
DVW-500P (UC) :VPR-1PG MCB

DVW-VPR1-PAL-REC-S/M-84-0





NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

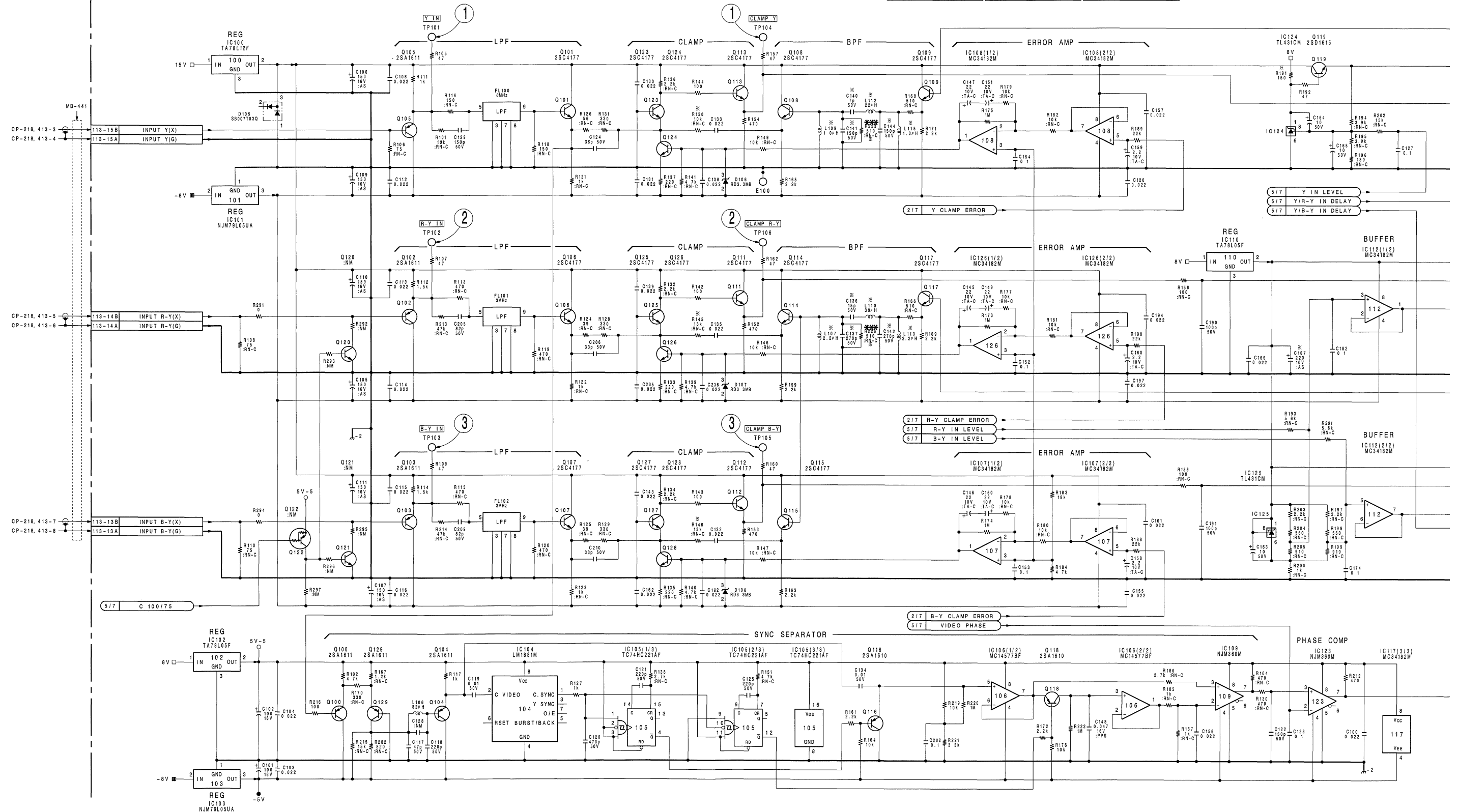


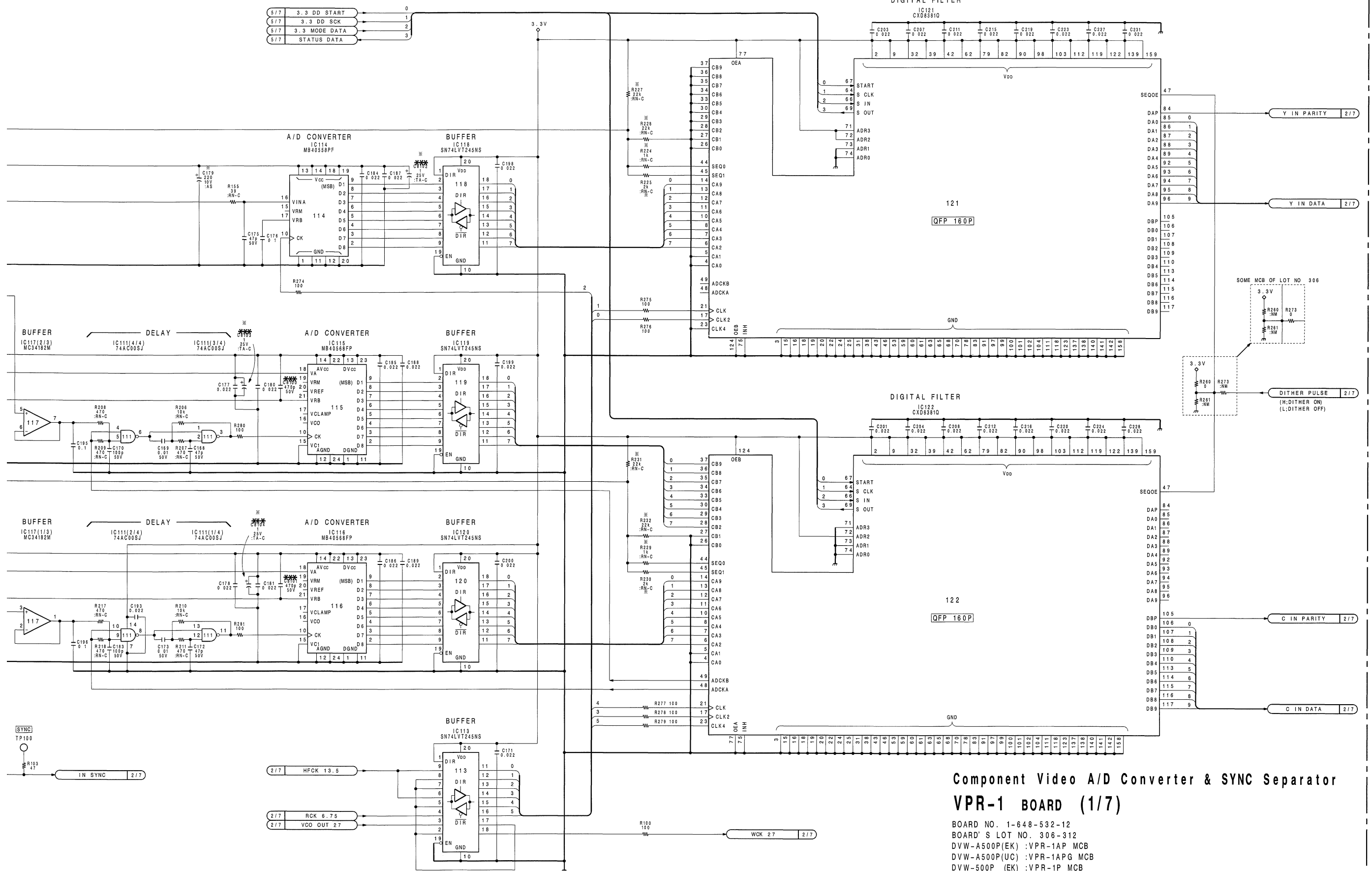
*PART LIST FOR LOT NO. 306-308, AND 309(SOME MCB)

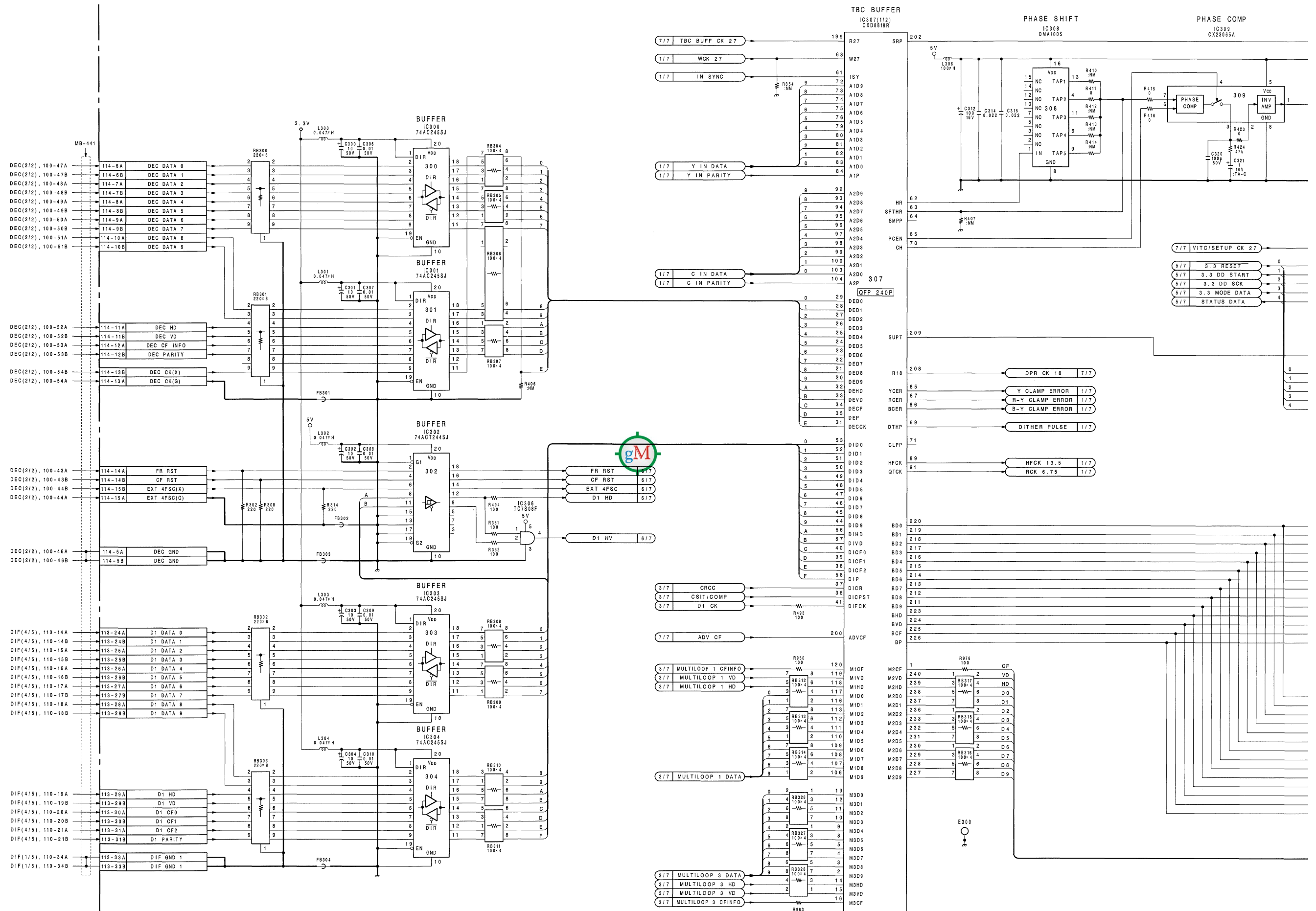
ADDRESS	PART DESCRIPTION	ADDRESS	PART DESCRIPTION	ADDRESS	PART DESCRIPTION
E-2	R150 100k :RN-C	H-2	R191 470	J-3	C8103 NOTHING
E-3	R145 82k :RN-C	H-3	C167 47 6.3V :AS	J-4	C8104 NOTHING
E-4	R148 82k :RN-C	J-1	C179 100 16V	K-2	C8102 NOTHING
	C140 10p 50V		C136 22p 50V	L-1/2	R224 4.7k :RN-C
	C141 47p 50V		C137 100p 50V		R225 10k :RN-C
	C144 15p 50V		C142 33p 50V		R227 4.3k :RN-C
	L109 2.2pH		L107 4.7pH		R228 4.3k :RN-C
	L112 10pH		L110 22pH		R229 4.7k :RN-C
	L115 8.2pH		L113 18pH		R230 10k :RN-C
	R223 NOTHING		R226 NOTHING	L-3/4	R231 4.3k :RN-C
					R232 4.3k :RN-C

The Ref.Nos.marked with *** on the schematic diagram in this page are not printed on the printed circuit board (of the following board No.) with silk screen.

VPR-1 BOARD: 1-648-532-12

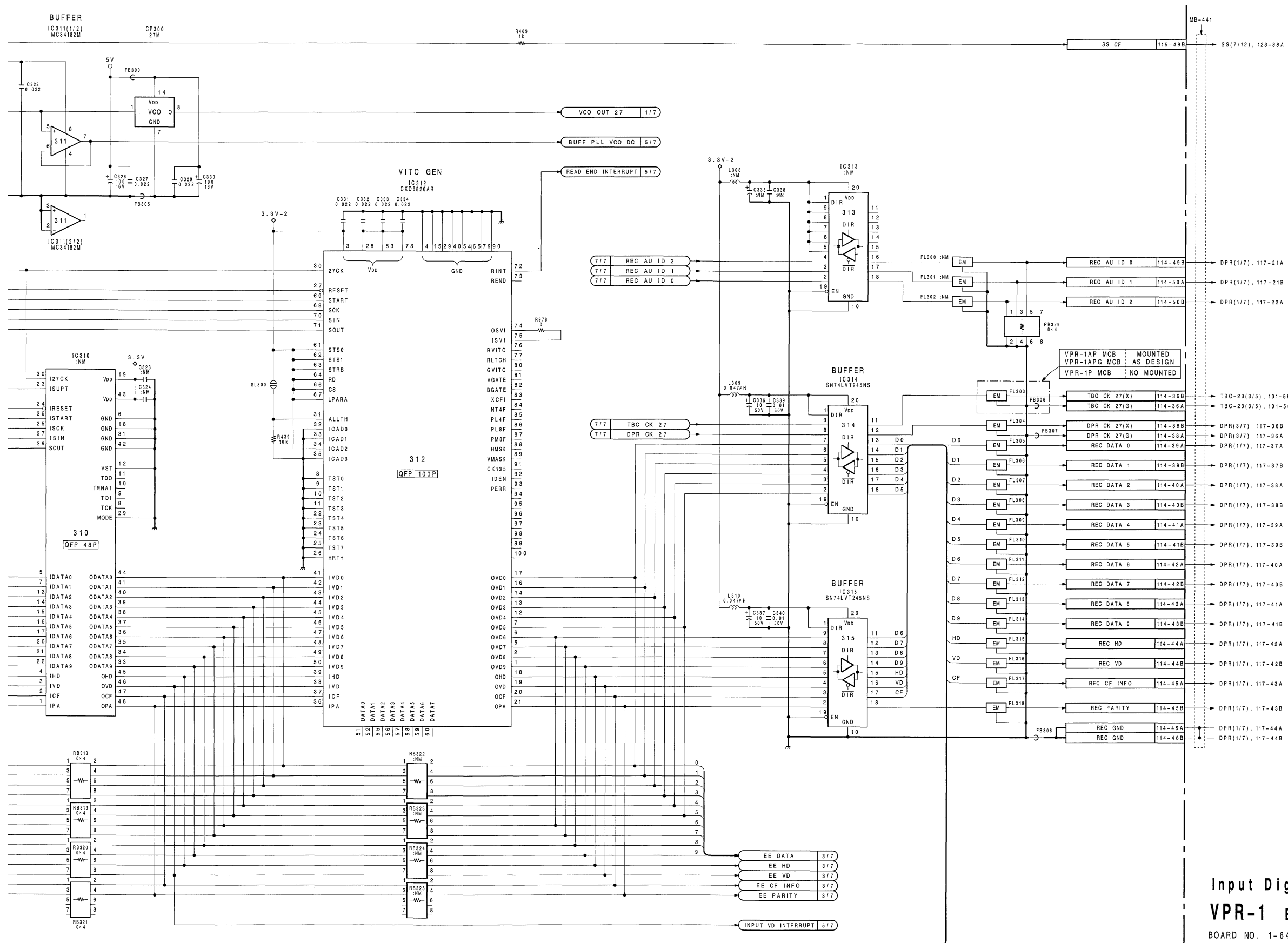






1-8 (b)

1-8 (b)



Input Digital Video Data Processor VPR-1 BOARD (2/7)

BOARD NO. 1-648-532-12
BOARD'S LOT NO. 306-312
DVW-A500P(EK) : VPR-1AP MCB
DVW-A500P(UC) : VPR-1APG MCB
DVW-500P (EK) : VPR-1P MCB

NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

DVW-VPR1-PAL-REC-9/M-04-B

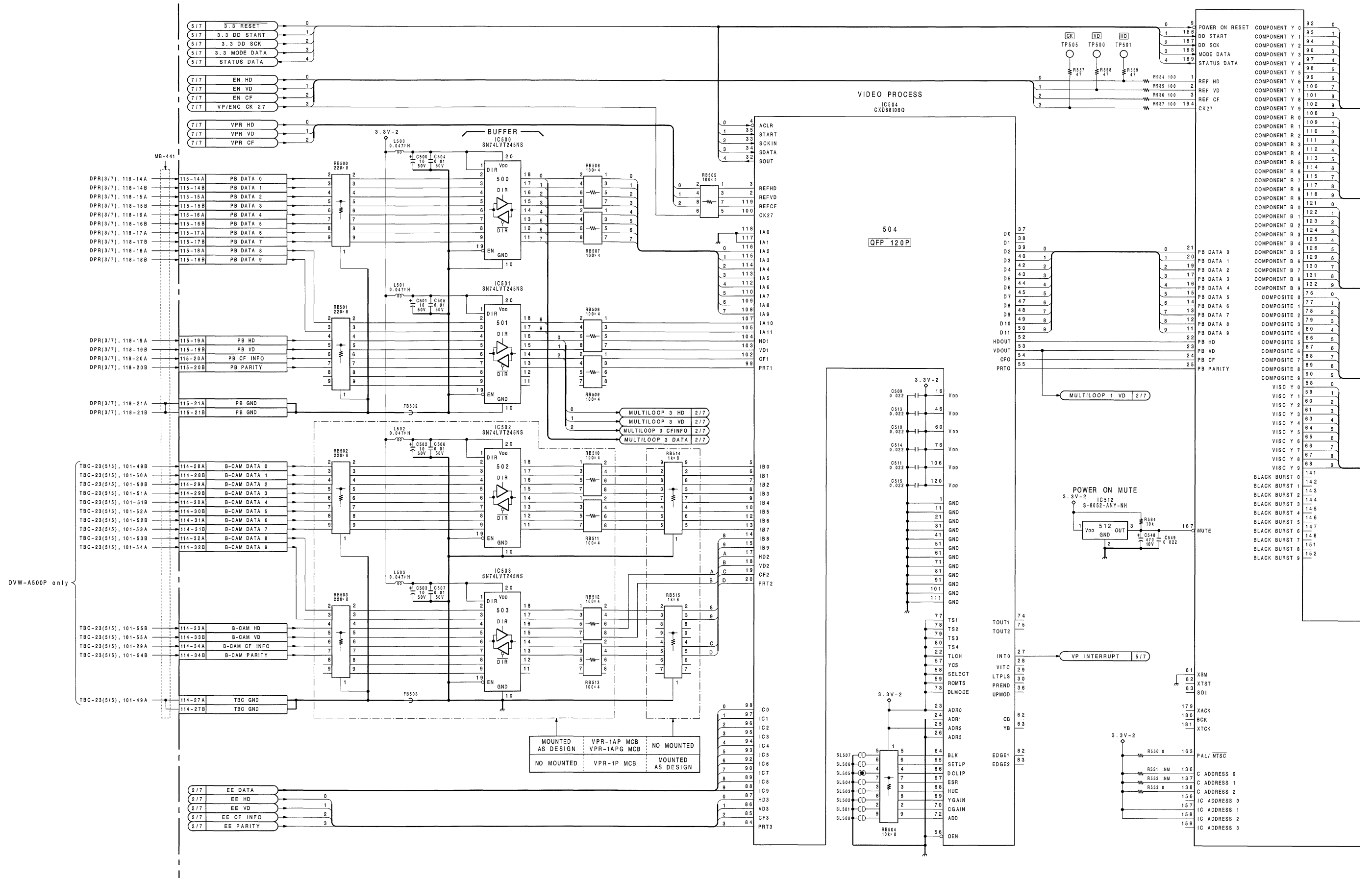
1

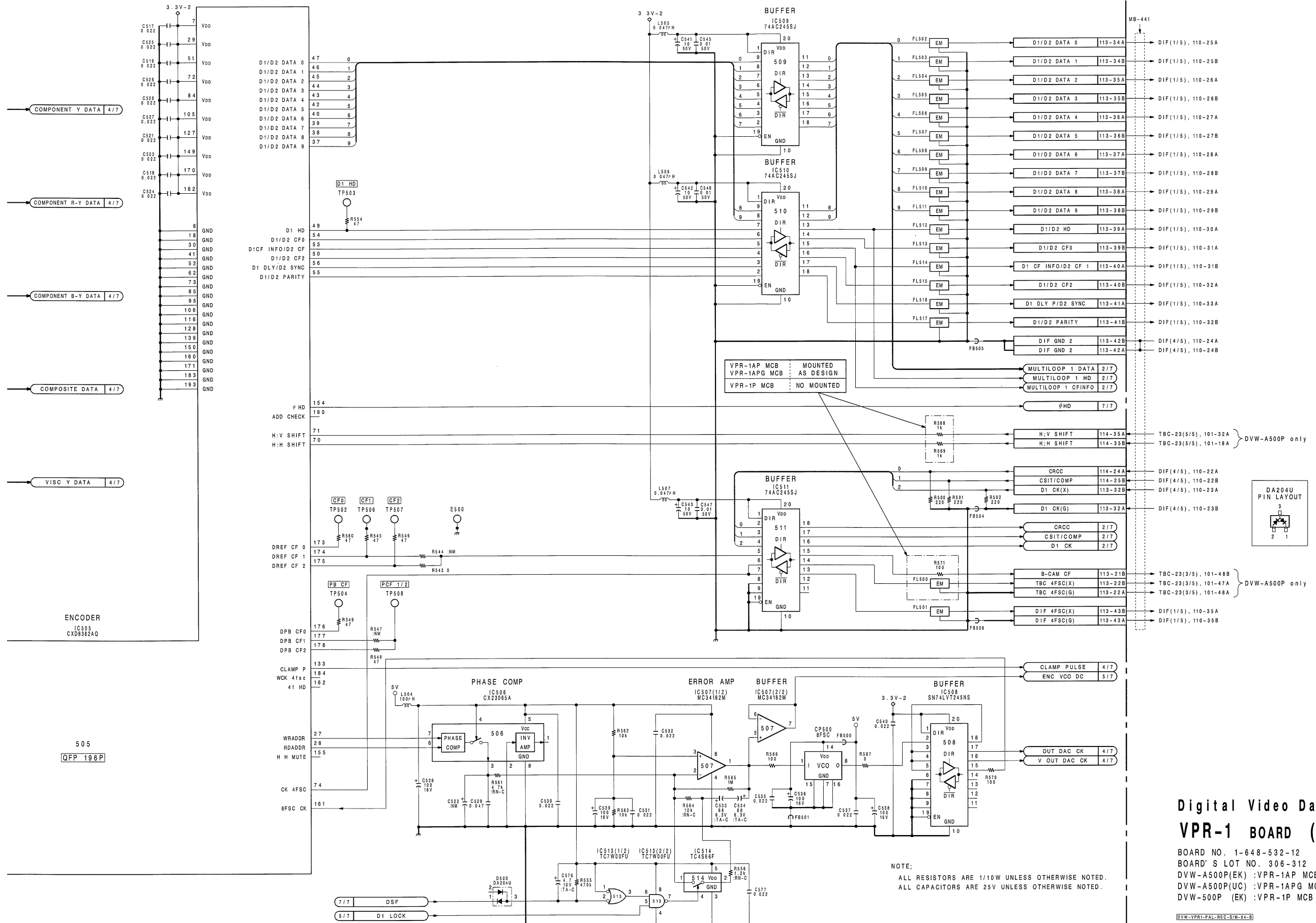
2

3

4

5

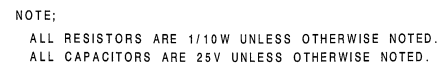




Digital Video Data Encoder VPR-1 BOARD (3/7)

BOARD NO. 1-648-532-12
BOARD'S LOT NO. 306-312
DVW-A500P(EK) :VPR-1AP MCB
DVW-A500P(UC) :VPR-1APG MCB
DVW-500P (EK) :VPR-1P MCB

[DVW-VPR1-PAL-REC-31M-04-8]



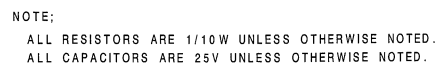


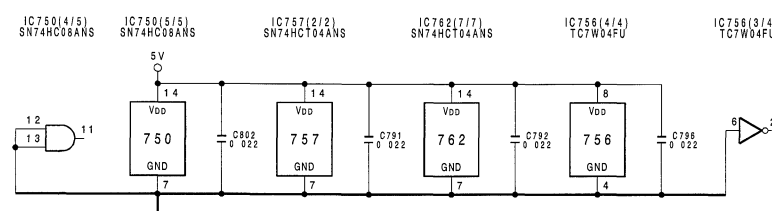
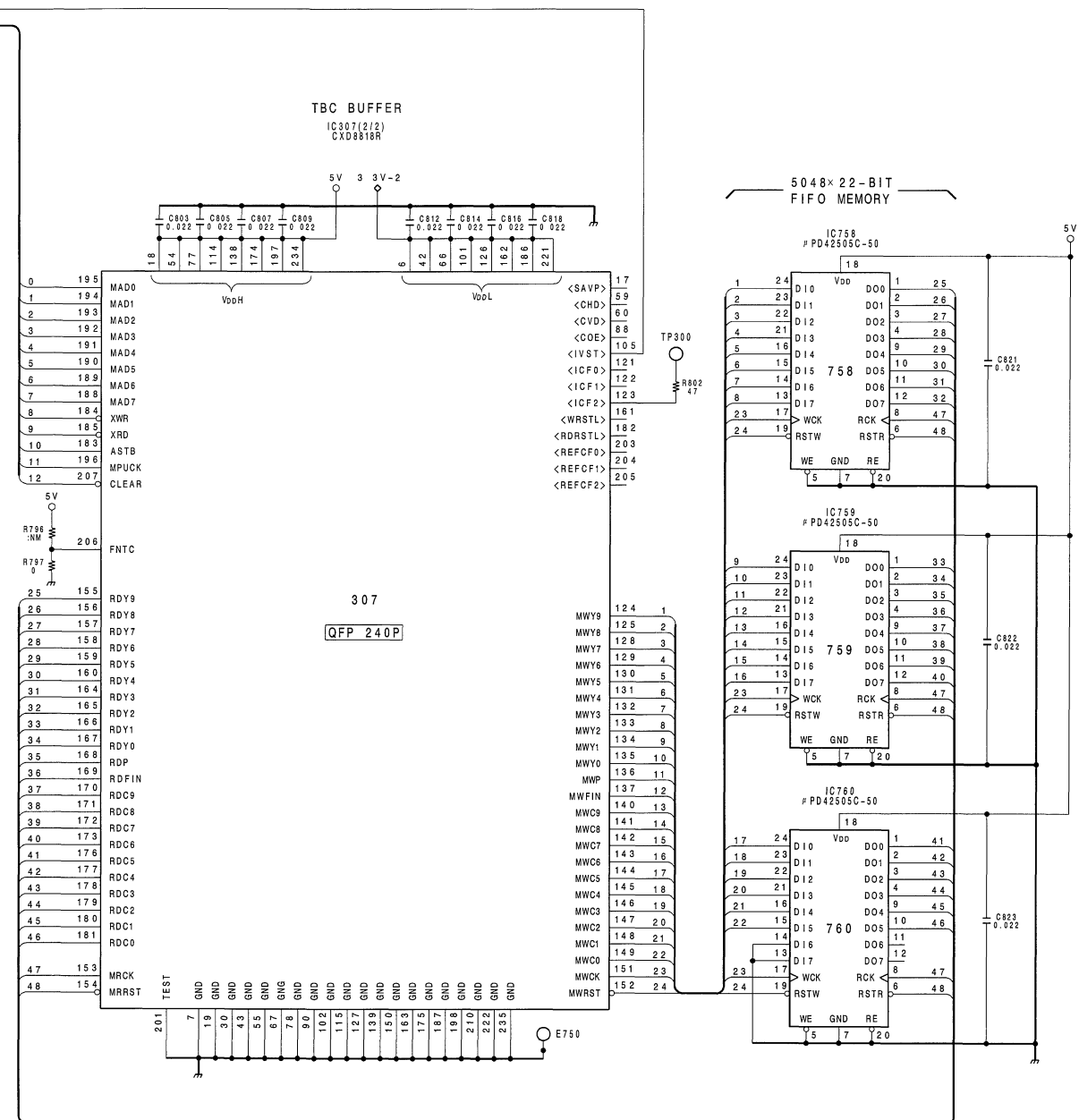
1-13 (b)

BOARD NO. 1-648-532-12
BOARD' S LOT NO. 306-312
DVW-A500P(EK) :VPR-1AP MCB
DVW-A500P(UC) :VPR-1APG MCB
DVW-500P (EK) :VPR-1P MCB

DYW-VPR1-PAL-REC-S/M-04-B

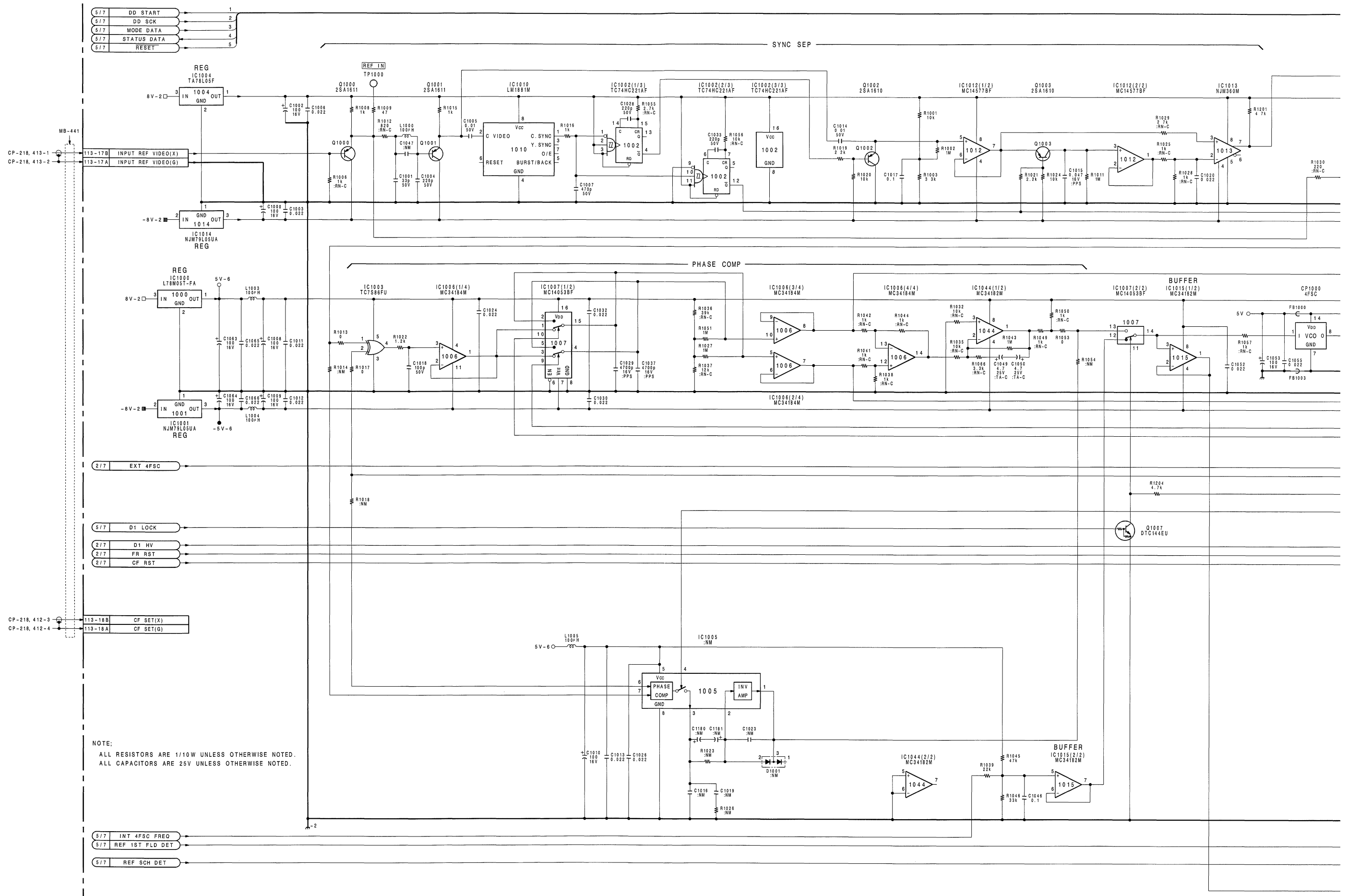
4

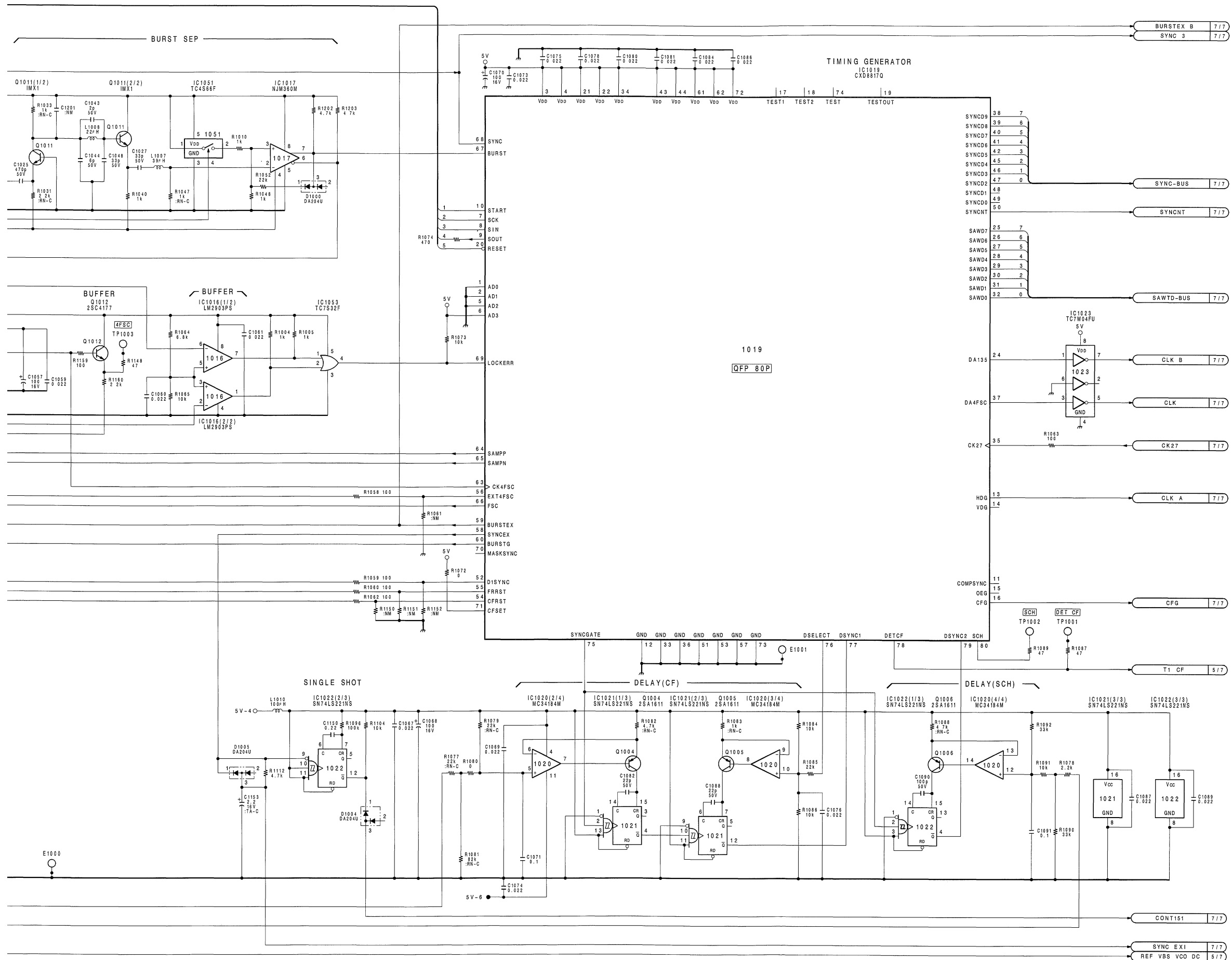




BOARD NO. 1-648-532-12
BOARD' S LOT NO. 306-312
DVW-A500P(EK) :VPR-1AP MCB
DVW-A500P(UC) :VPR-1APG MCB
DVW-500P (EK) :VPR-1P MCB

DVW-VPR1-PAL-REC-S/M-04-B





Time Ref Signal(1) VPR-1 BOARD (6/7)

BOARD NO. 1-648-532-12
BOARD' S LOT NO. 306-312
DVW-A500P(EK) :VPR-1AP MCB
DVW-A500P(UC) :VPR-1APG MCB
DVW-500P (EK) :VPR-1P MCB

DVW-VPR1-PAL-REC-SIM-24-B

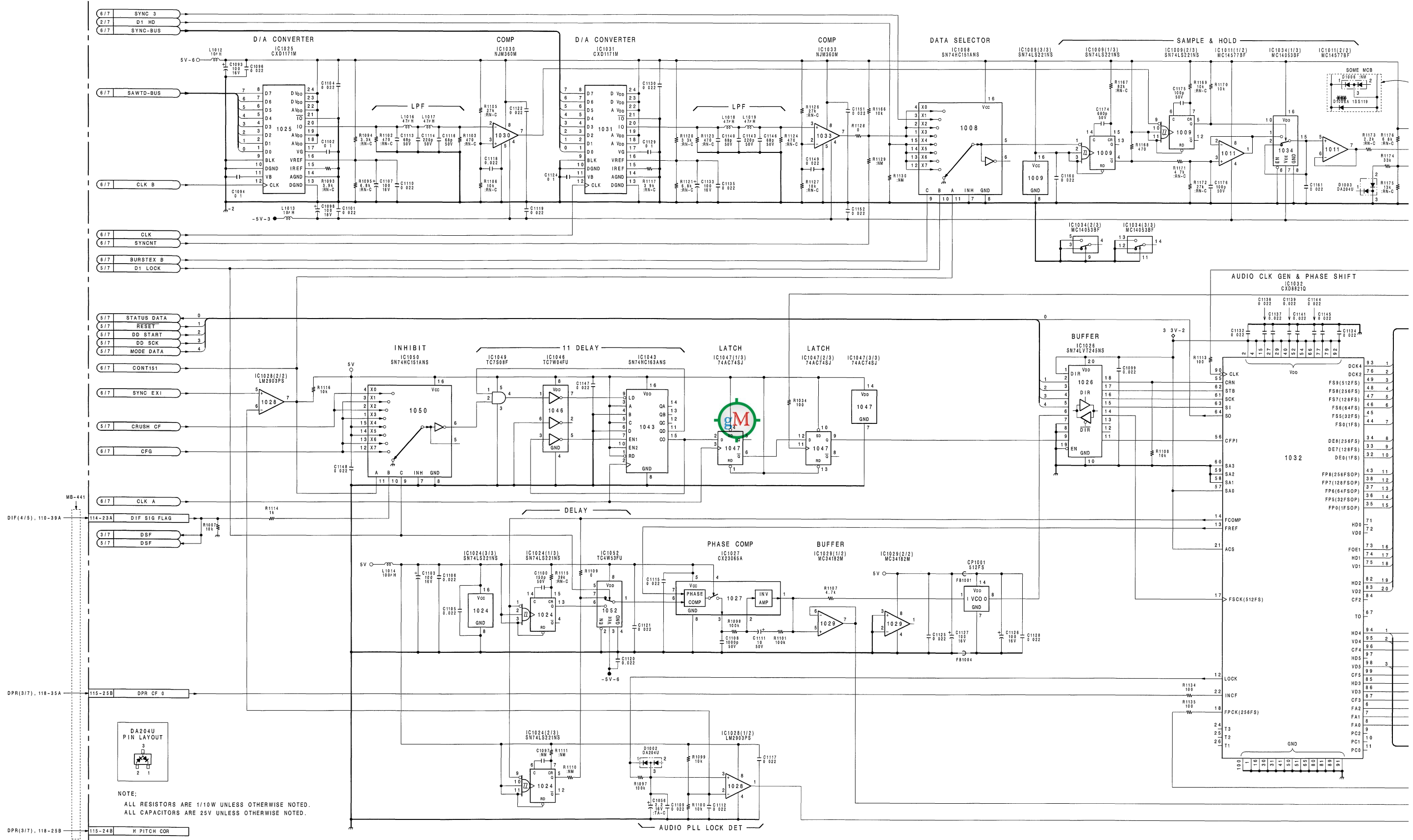
1

2

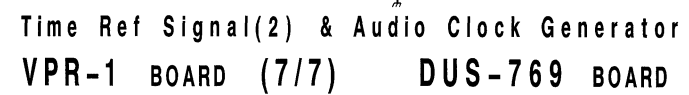
3

4

5



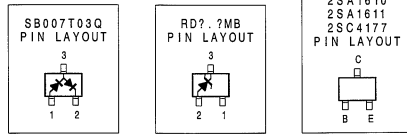
NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.



BOARD NO. 1-653-049-11

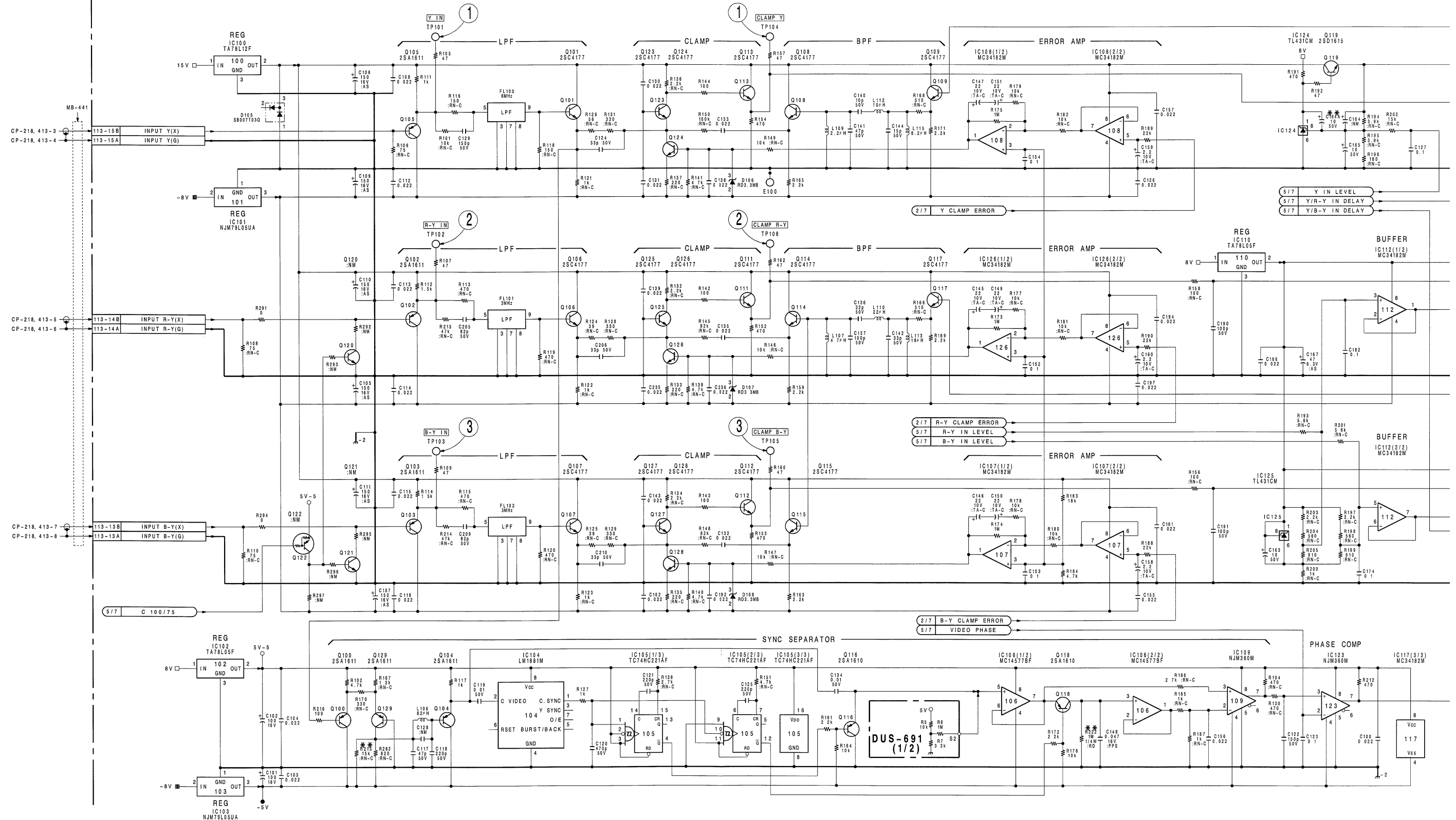
DVW-VPR1-PAL-REC-S/M-04-B

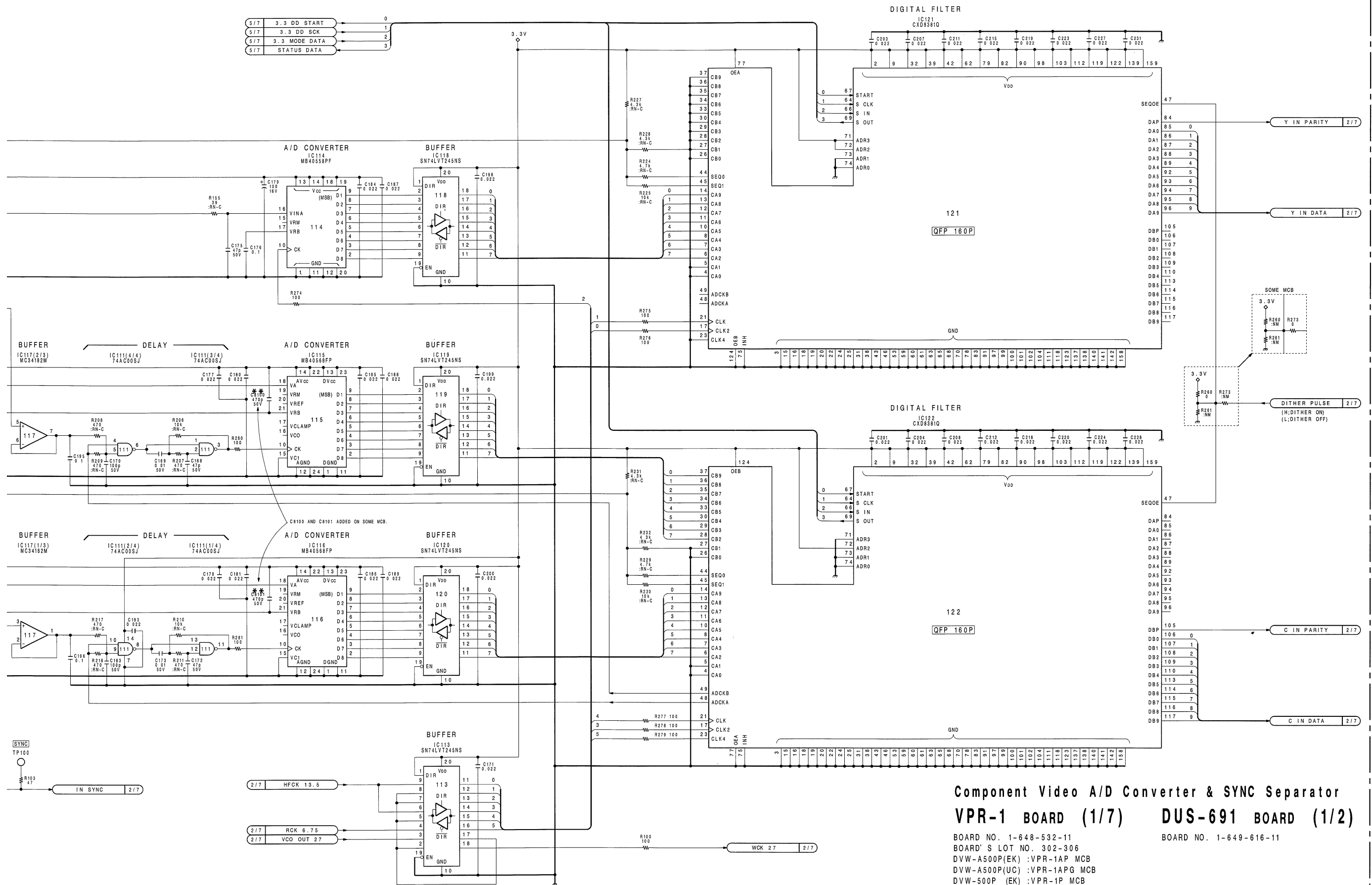
NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

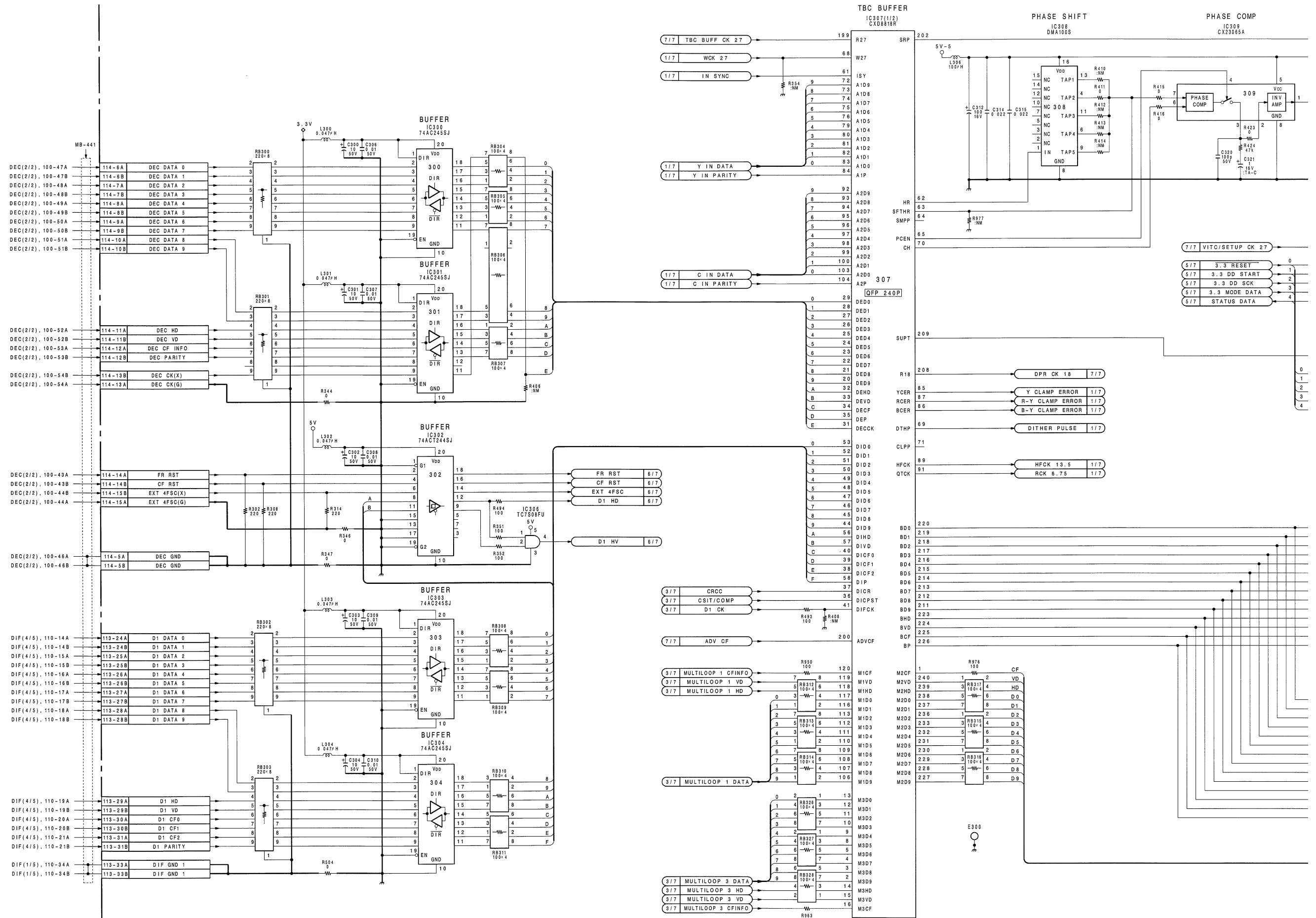


The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit board (of the following board No.) with silk screen.

VPR-1 BOARD: 1-648-532-11

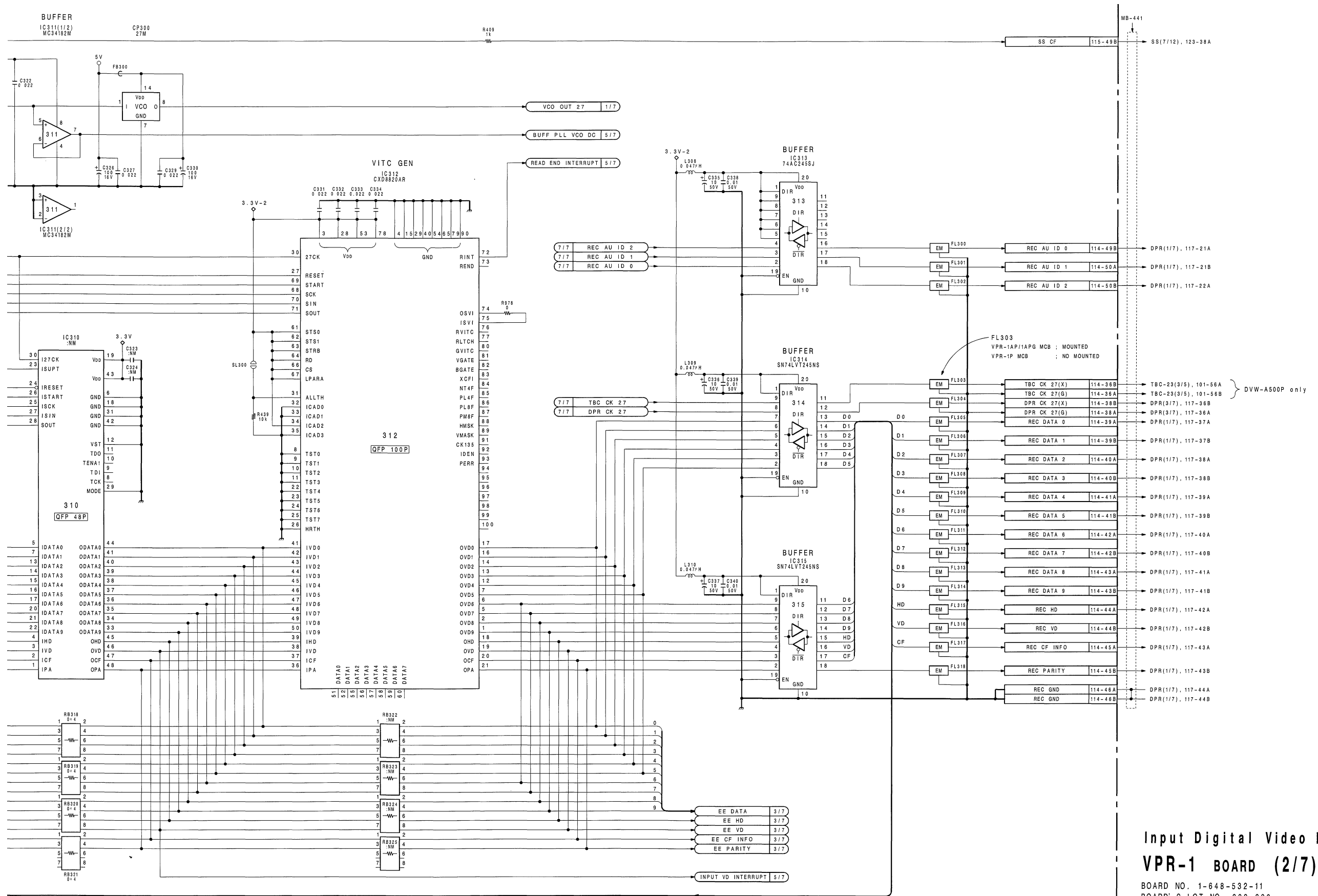






1-8 (a)

1-8 (a)



Input Digital Video Data Processor VPR-1 BOARD (2/7)

BOARD NO. 1-648-532-11
BOARD'S LOT NO. 302-306
DVW-A500P(EK) :VPR-1AP MCB
DVW-A500P(UC) :VPR-1APG MCB
DVW-500P (EK) :VPR-1P MCB

DVW-VPR1-PAL-REC-SIM-04-A

NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

1

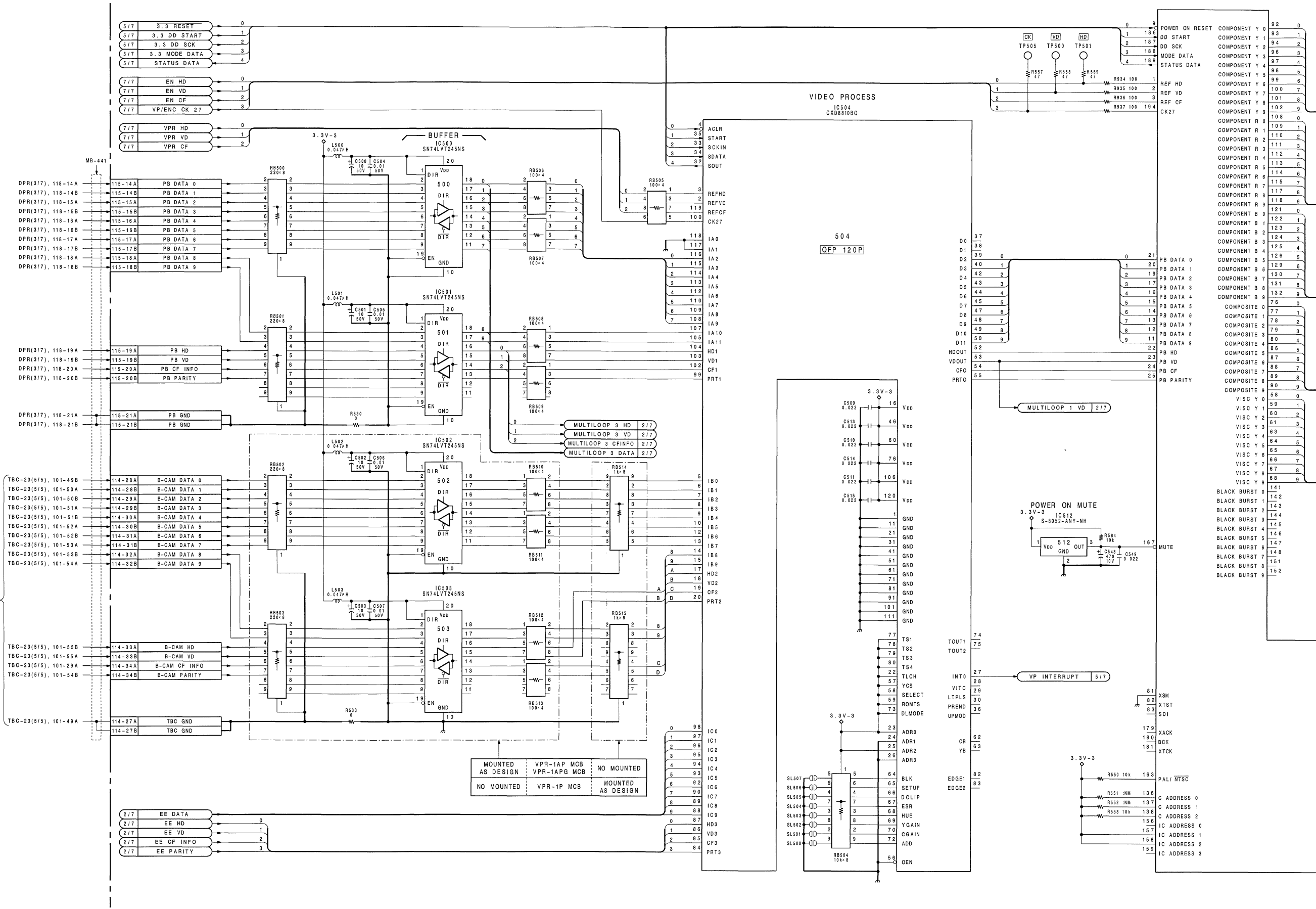
2

3

4

5

DVW-A500P only

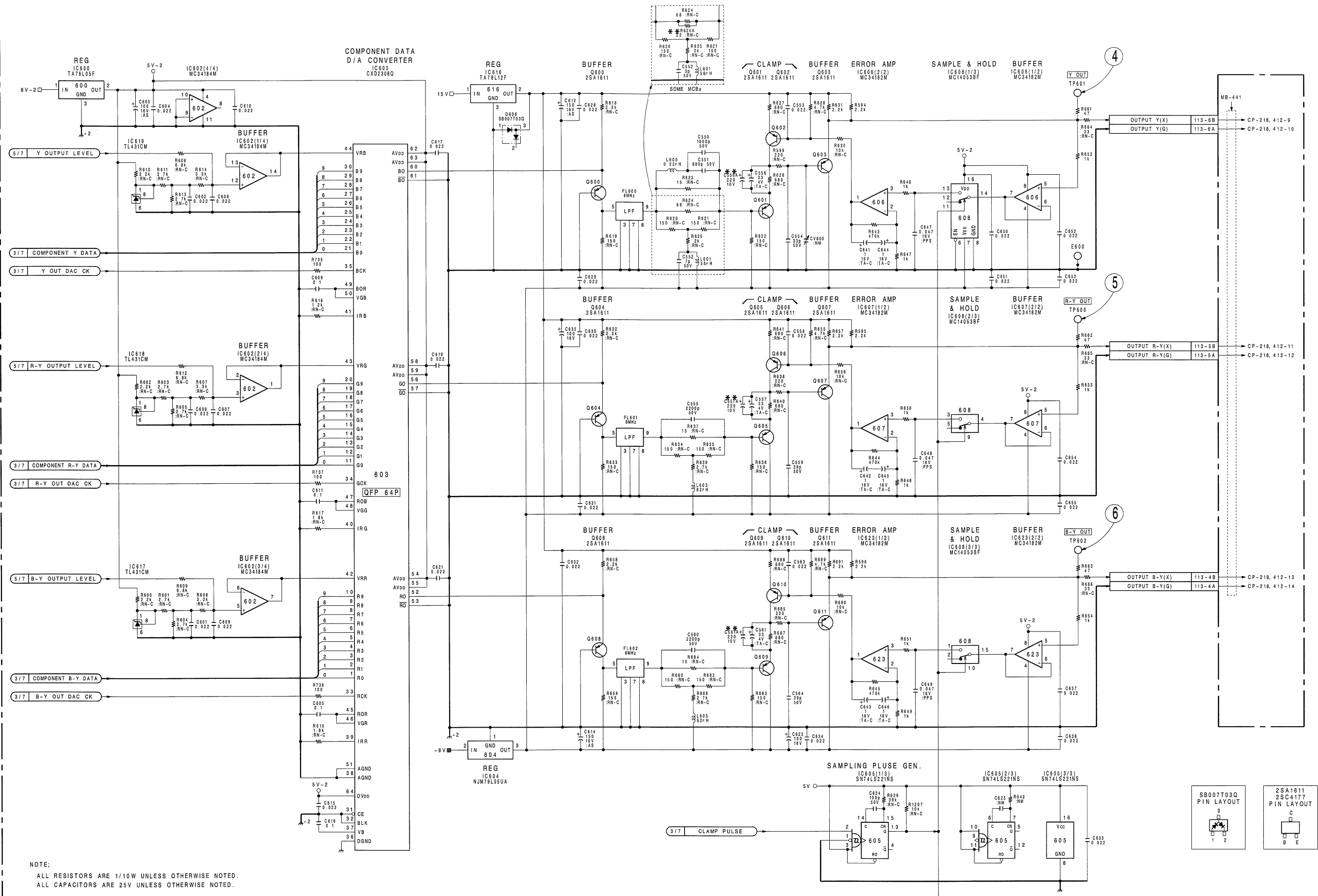


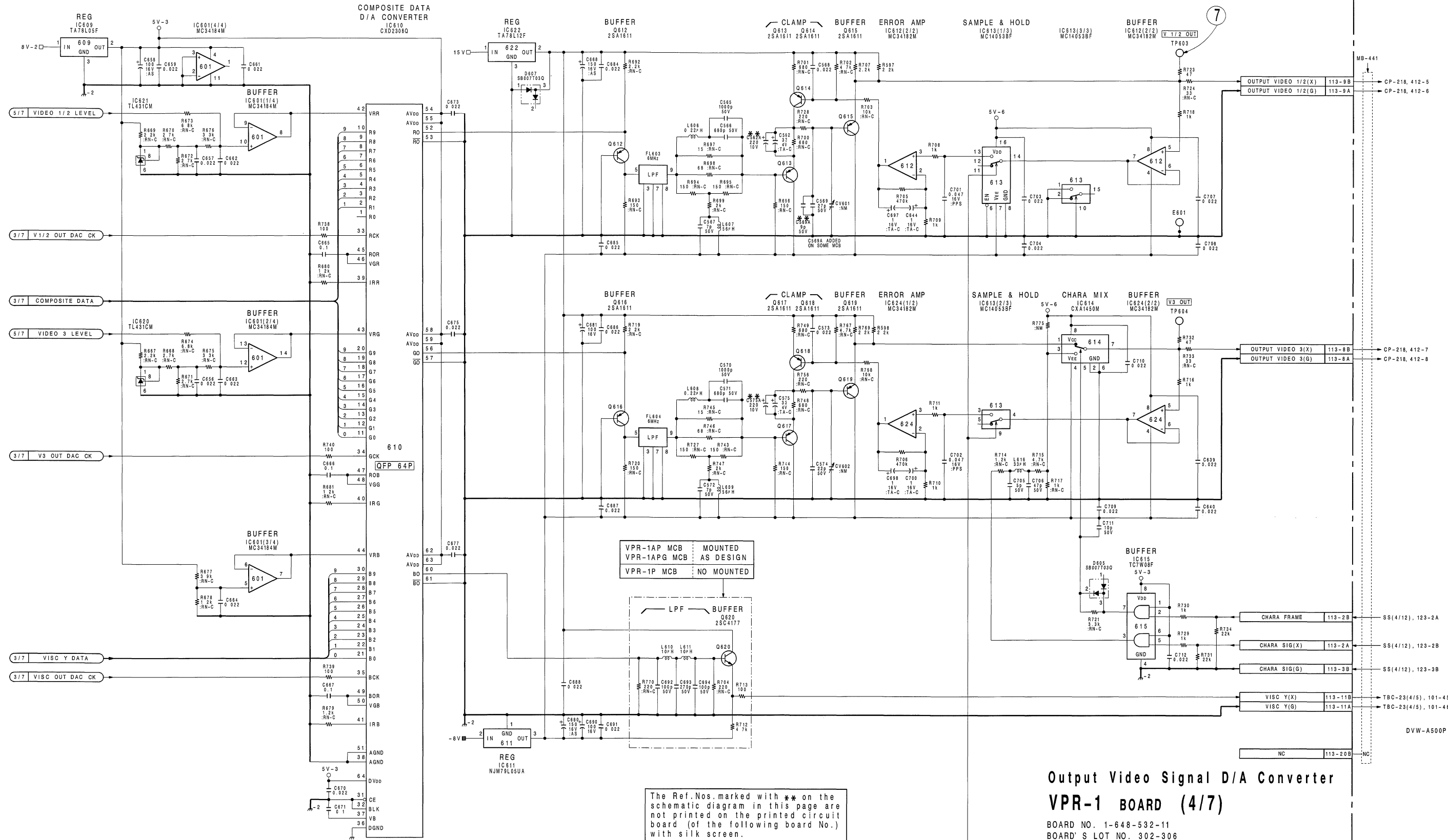
BOARD NO. 1-650-668-11

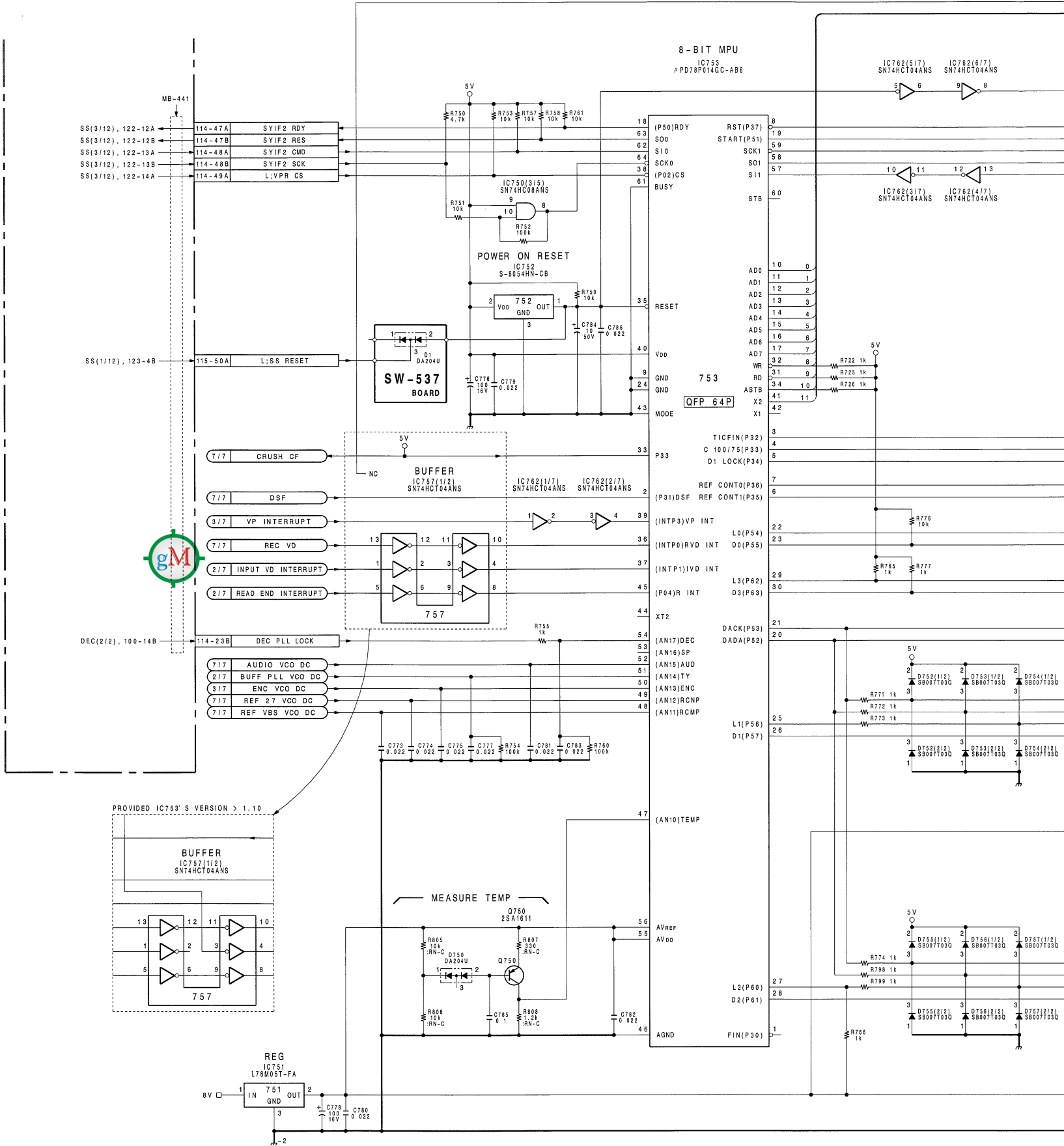
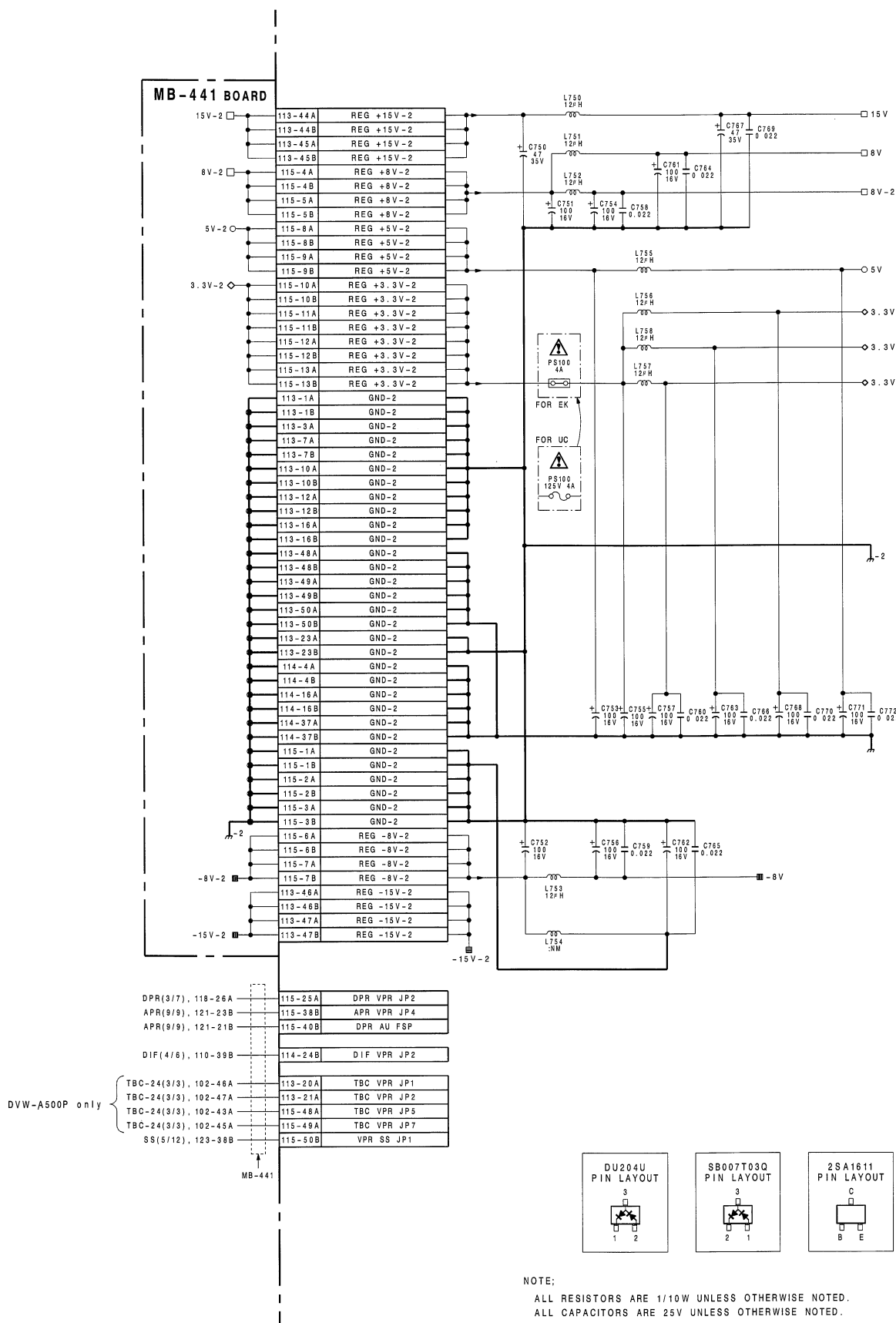
Digital Video Data Encoder
VPR-1 BOARD (3/7)

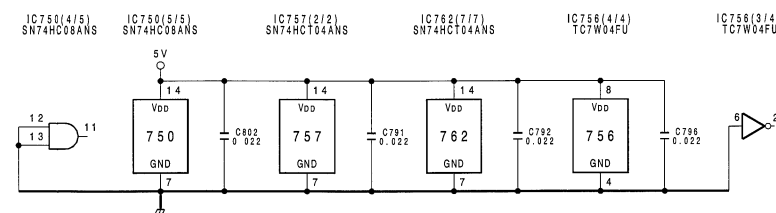
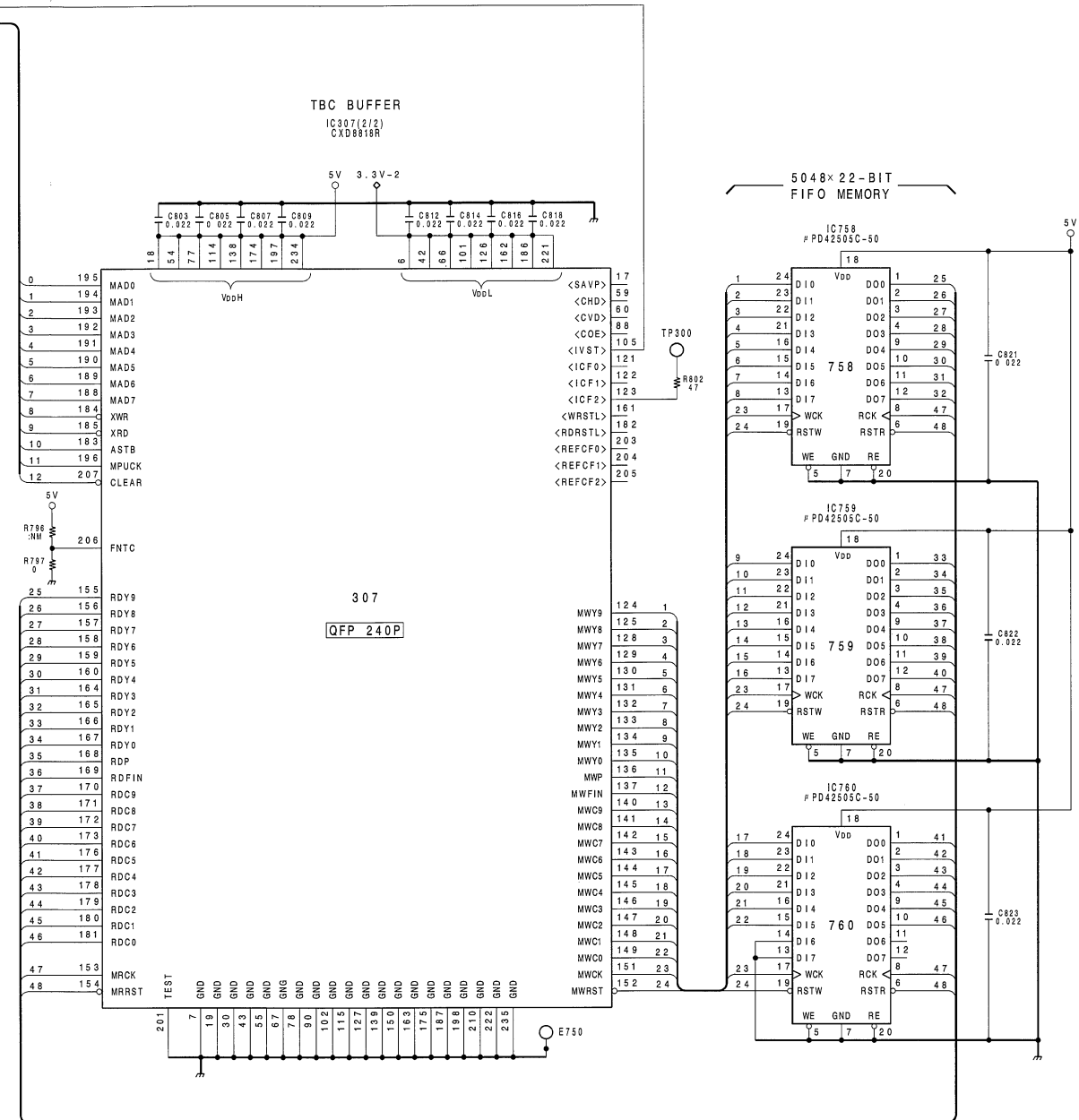
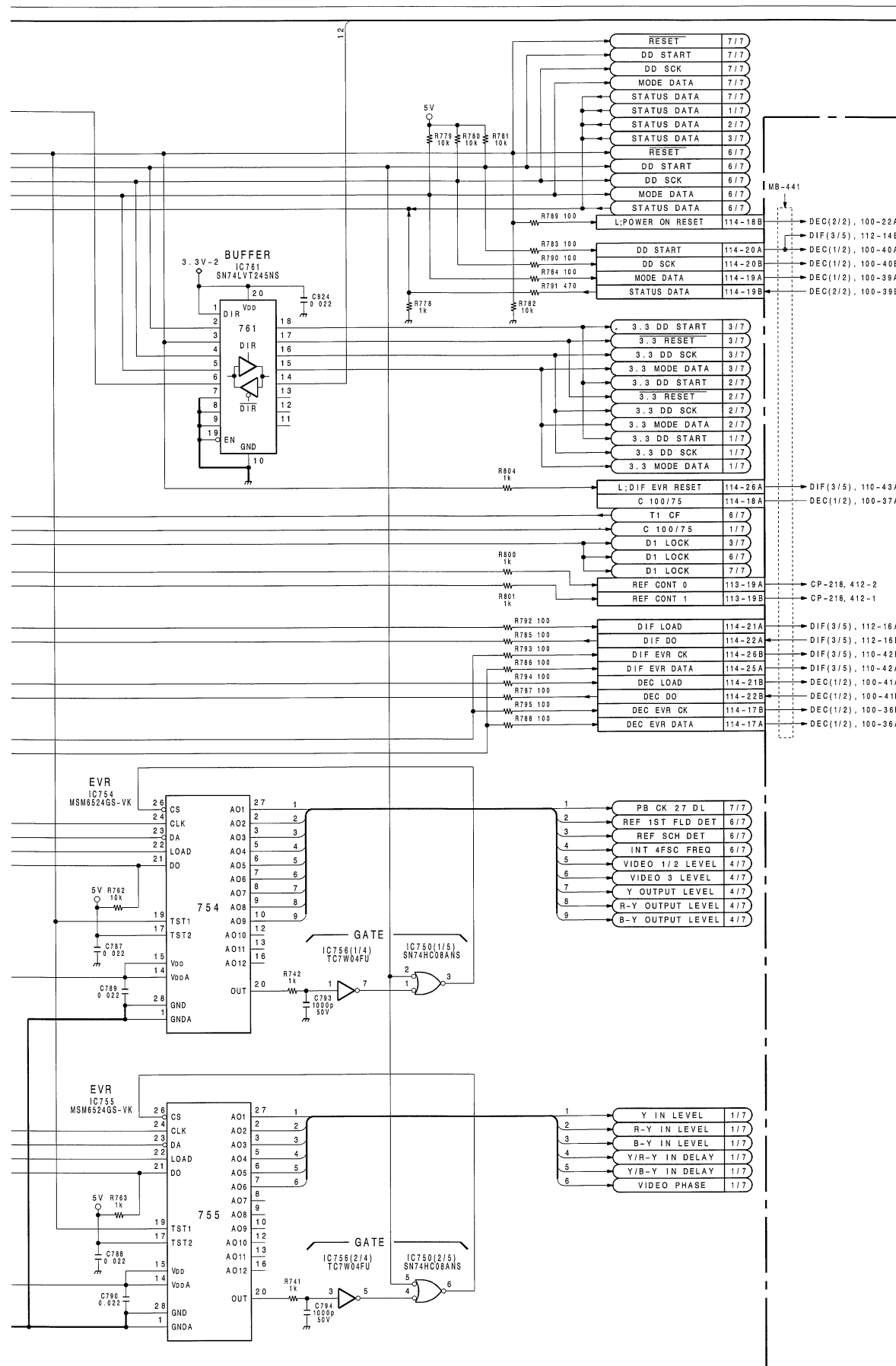
BOARD NO. 1-648-532-11
BOARD' S LOT NO. 302-306
DVW-A500P(EK) :VPR-1AP MCB
DVW-A500P(UC) :VPR-1APG MCB
DVW-500P (EK) :VPR-1P MCB

DVW-VPR1-PAL-REC-S/M-04-A







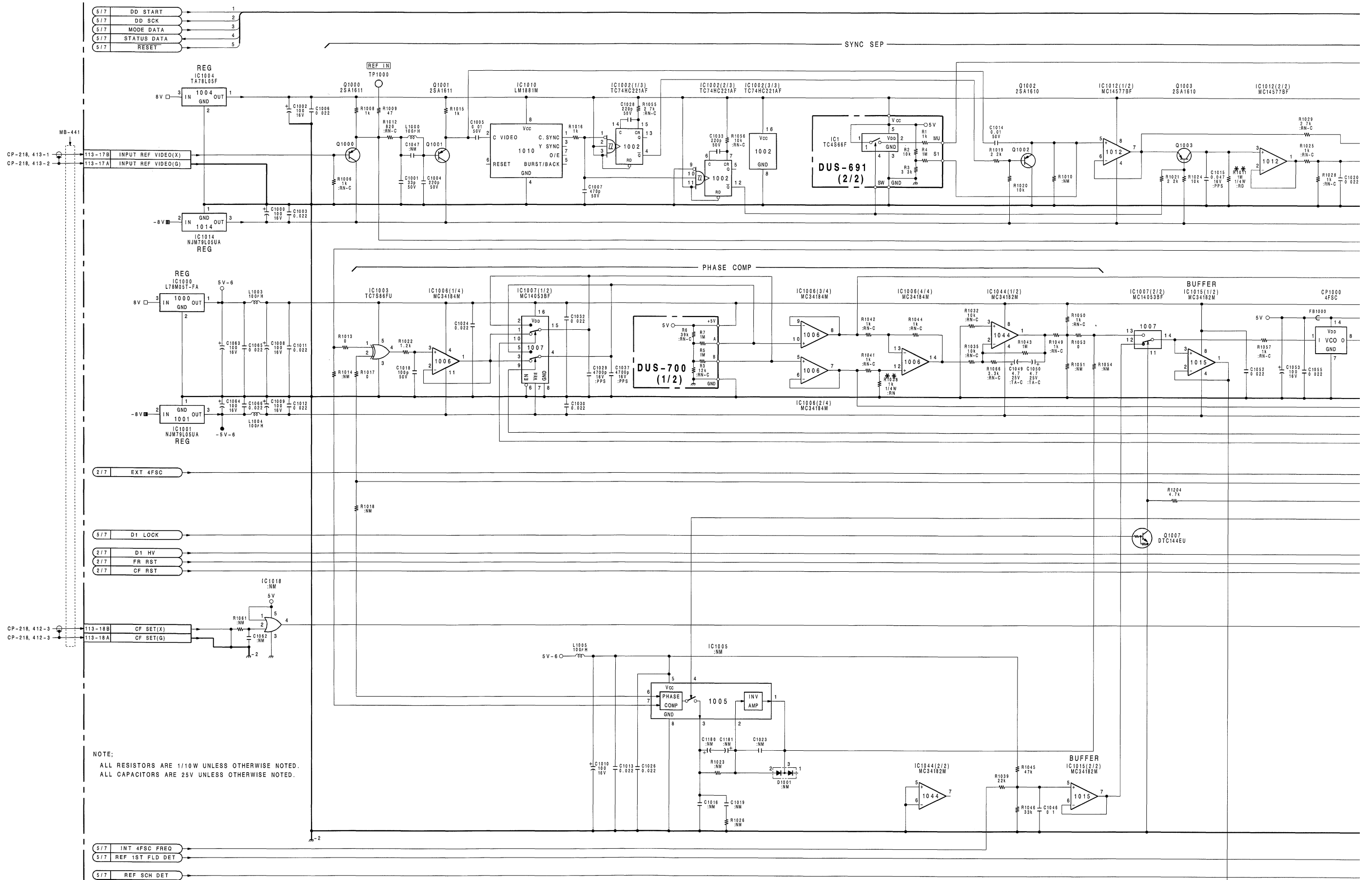


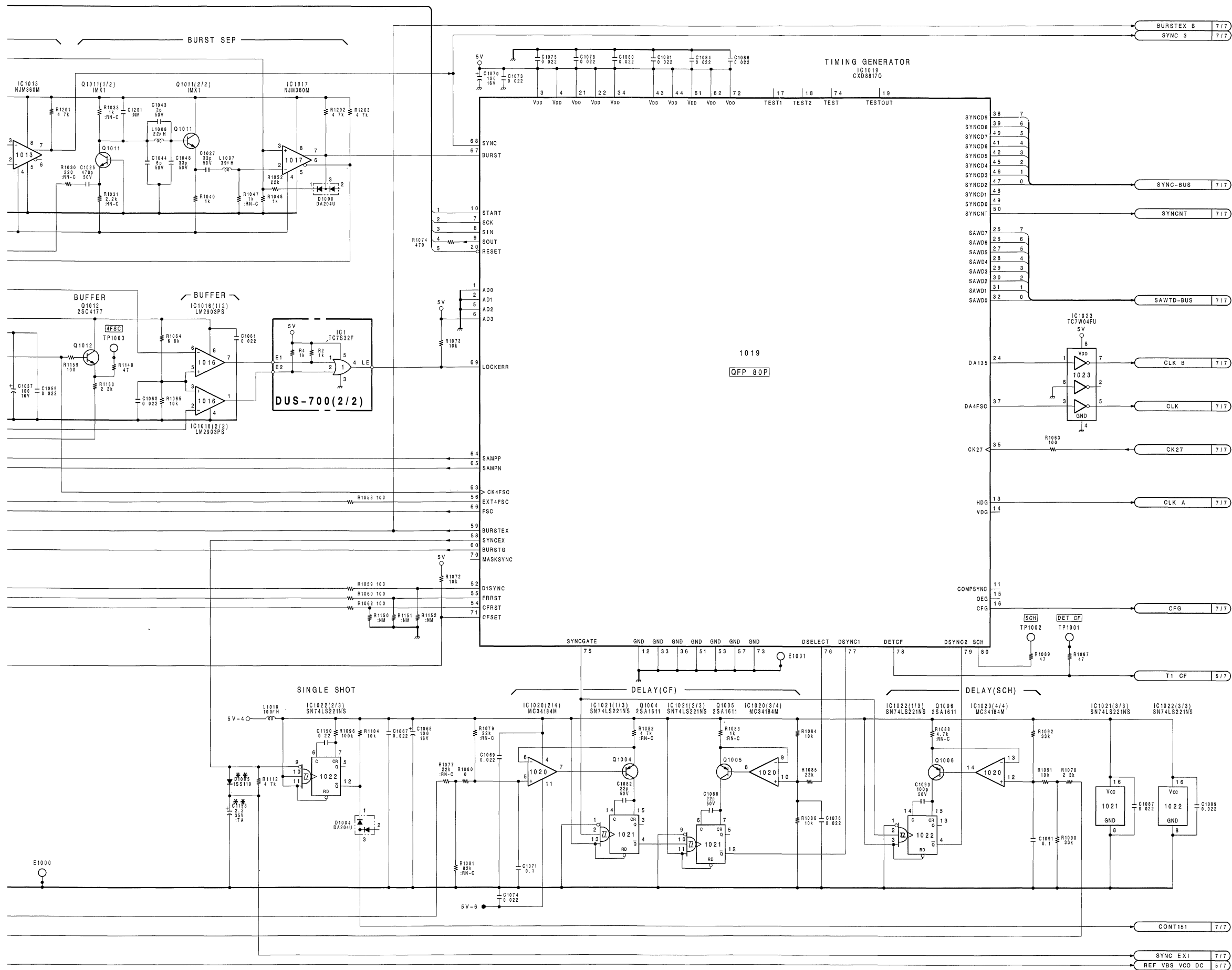
SW-537 BOARD
BOARD NO. 1-642-085-11

Video Process Control
VPR-1 BOARD (5/7)

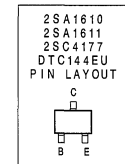
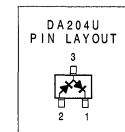
BOARD NO. 1-648-532-11
BOARD'S LOT NO. 302-306
DVW-A500P(EK) :VPR-1AP MCB
DVW-A500P(UC) :VPR-1APG MCB
DVW-500P (EK) :VPR-1P MCB

DVW-VPR1-PAL-REC-S/M-04-A





The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit board (of the following board No.) with silk screen.
VPR-1 BOARD: 1-648-532-11



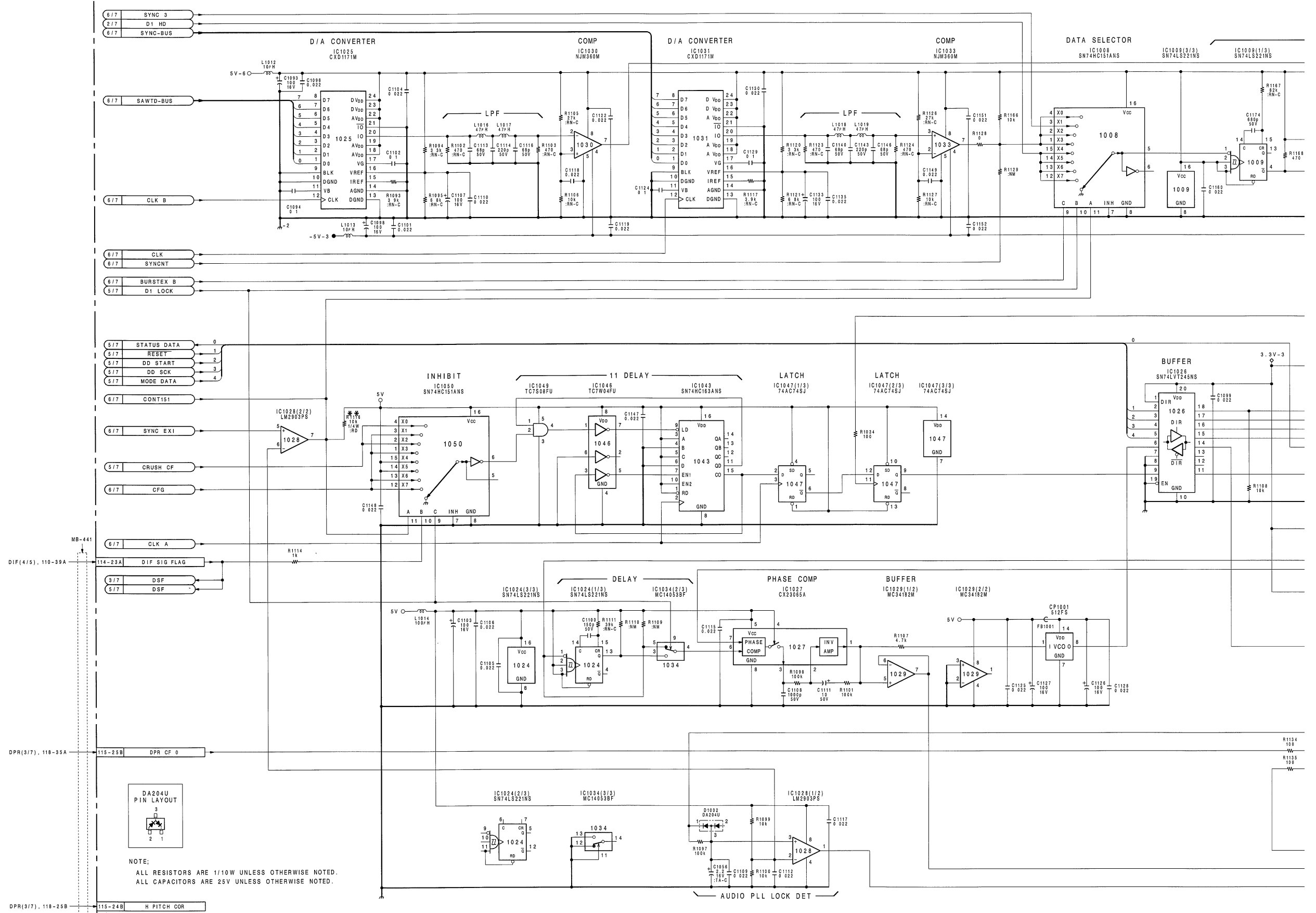
DUS-691 BOARD (2/2)
BOARD NO. 1-649-616-11

DUS-700 BOARD
BOARD NO. 1-649-898-11

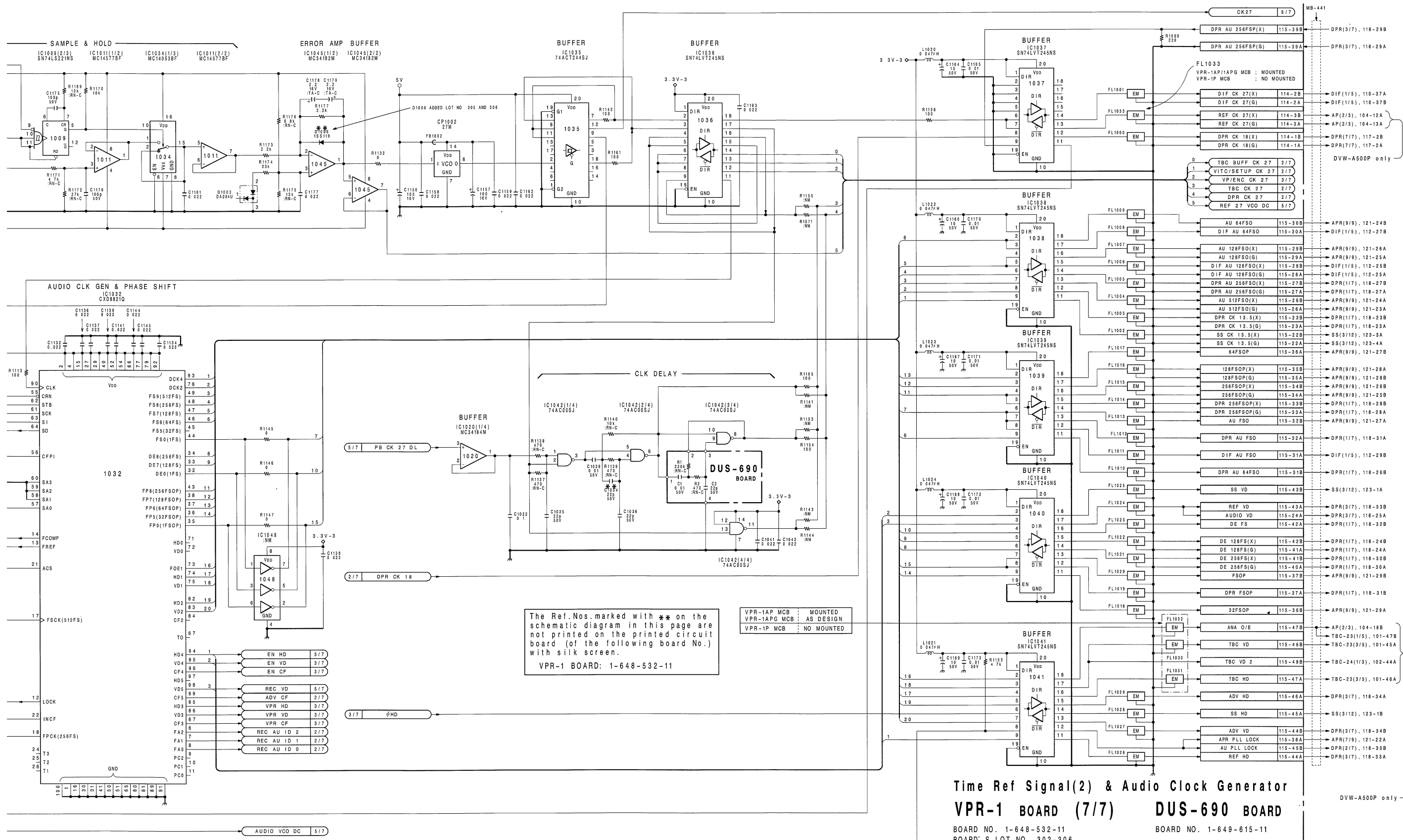
Time Ref Signal(1)
VPR-1 BOARD (6/7)

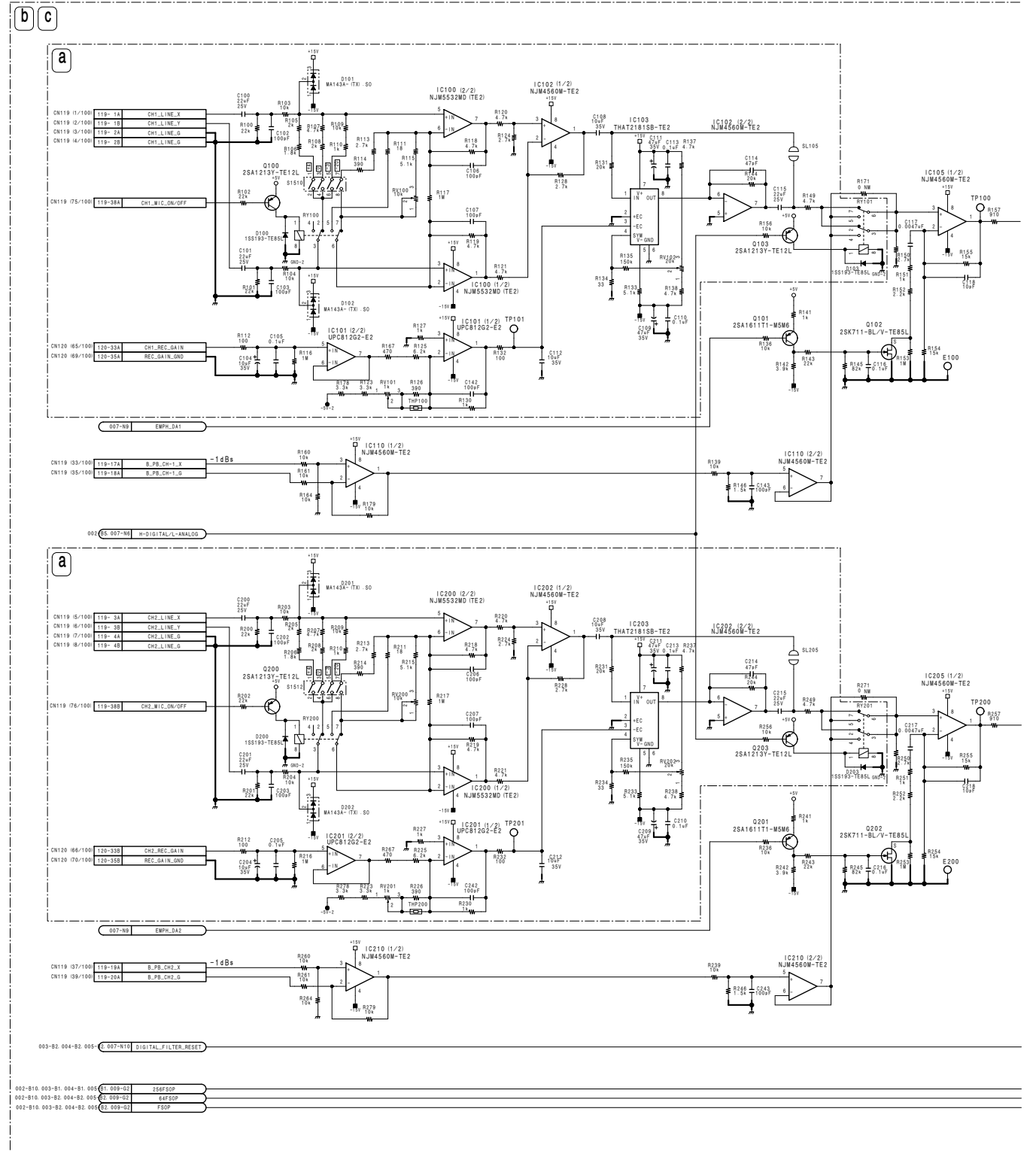
BOARD NO. 1-648-532-11
BOARD'S LOT NO. 302-306
DVW-A500P(EK) :VPR-1AP MCB
DVW-A500P(UC) :VPR-1APG MCB
DVW-500P (EK) :VPR-1P MCB

DVW-VPR1-PAL-REC-8/M-04-1

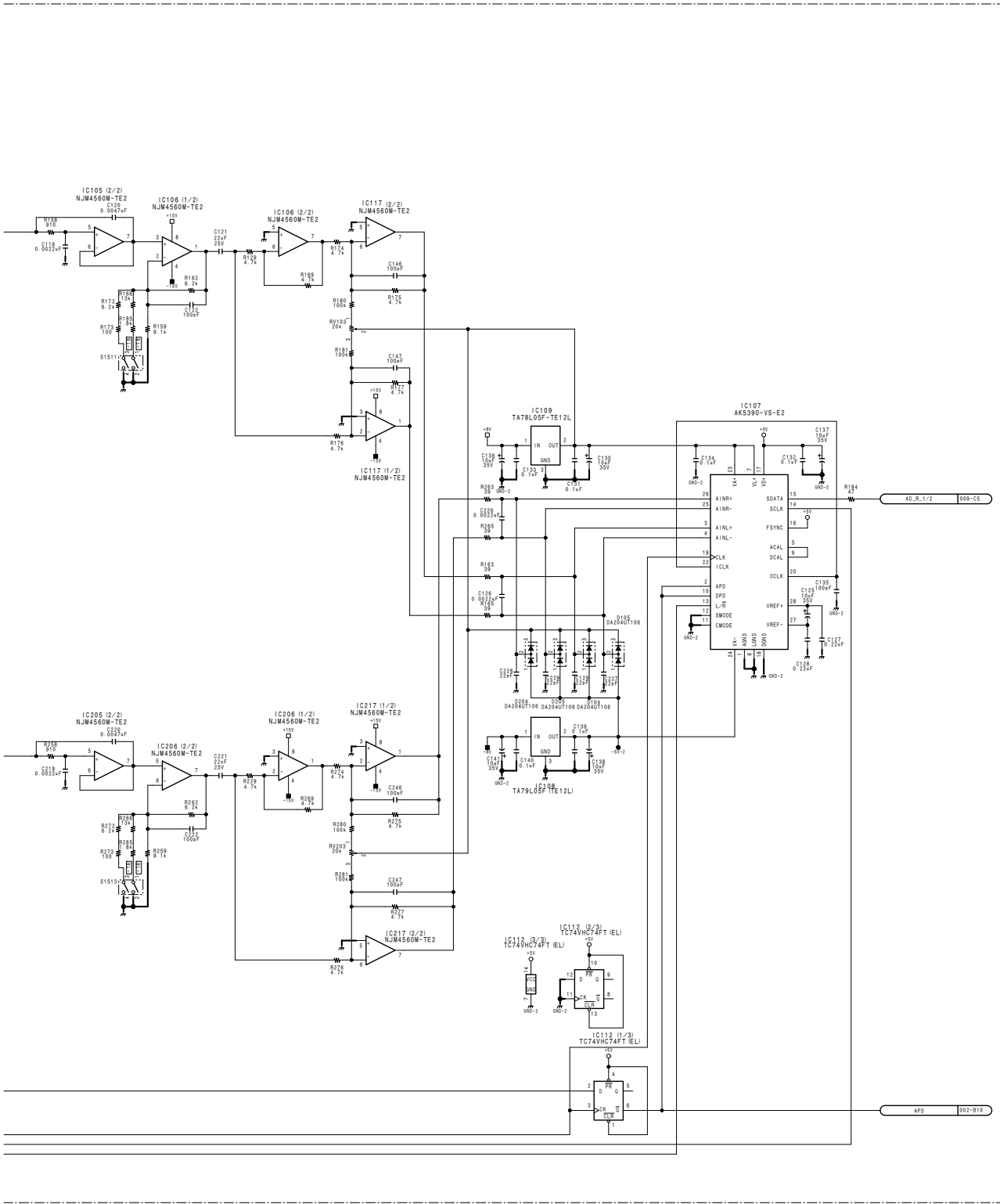


1-18 (a)



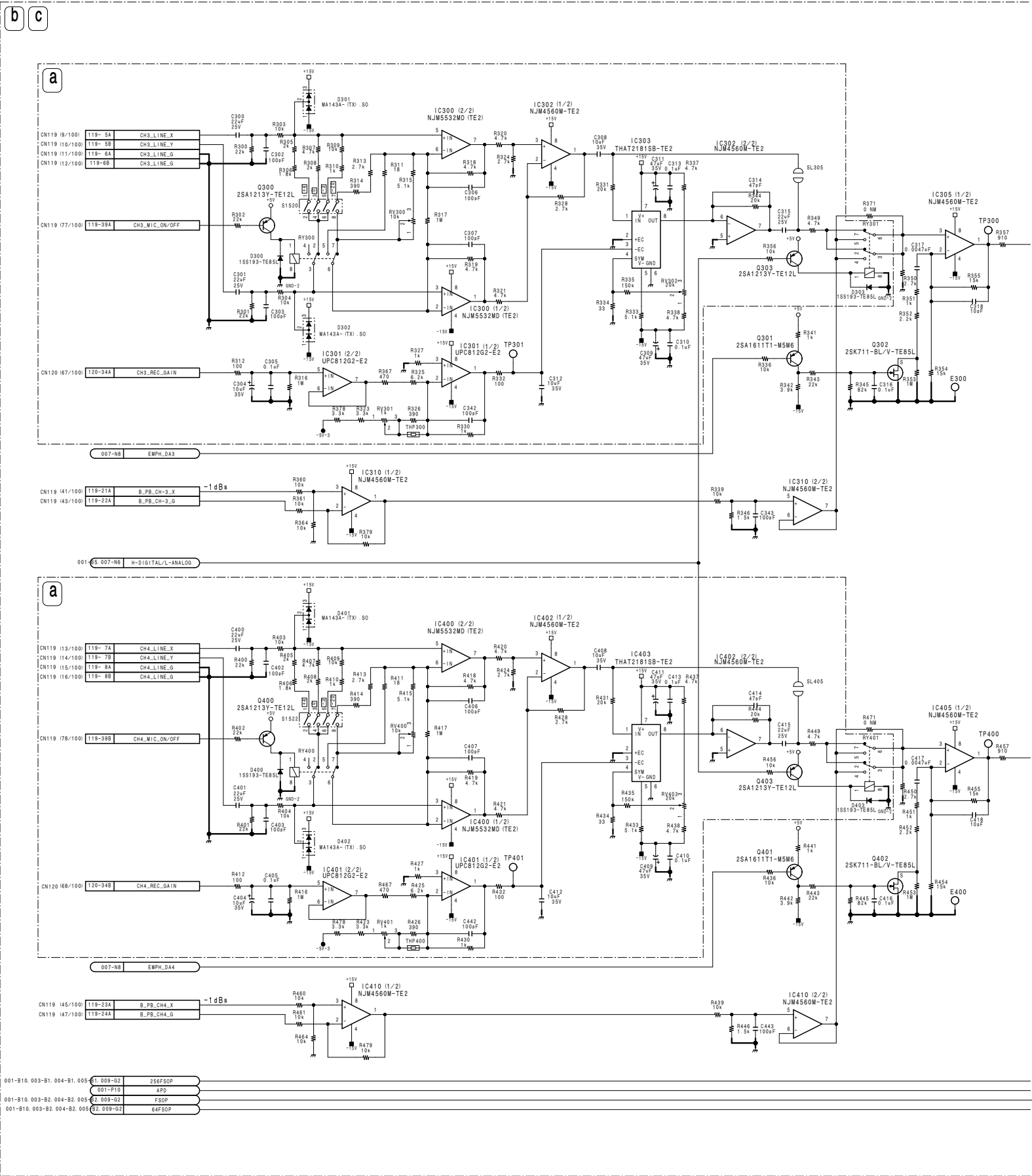


	DVW-A500 DVW-500	DVW-A510	DVW-510	DVW-522
(a)	MOUNT	NO MOUNT	NO MOUNT	NO MOUNT
(b)	MOUNT	MOUNT	NO MOUNT	NO MOUNT
(c)	MOUNT	MOUNT	MOUNT	NO MOUNT



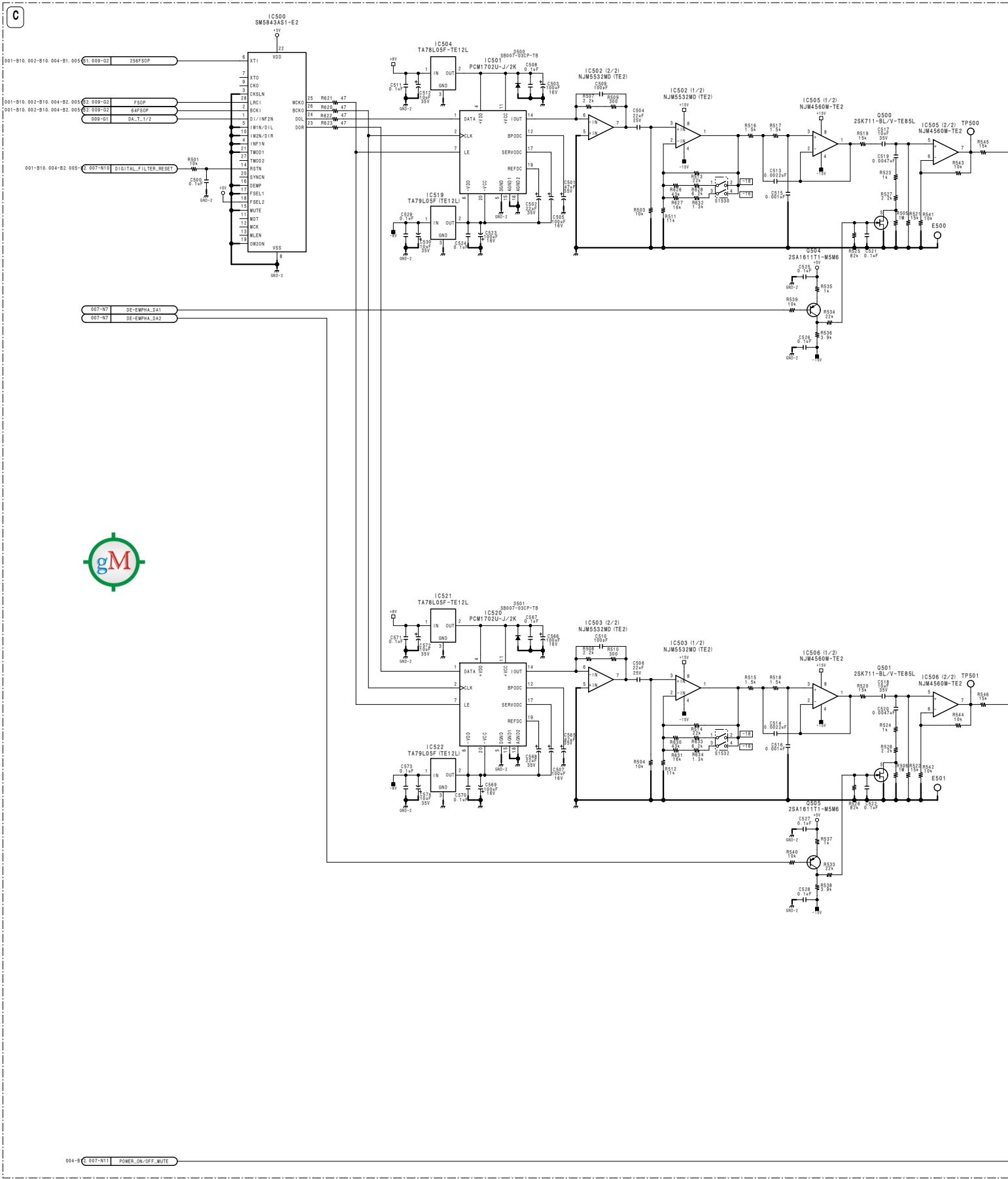
CH-1/CH-2 A/D Convert
APR-1 BOARD (1/9)

BOARD NO. 1-648-534-16
BOARD'S LOT NO. 910-
DVW-A500 (J, UC) : APR-1 MCB
DVW-A500P (EK) : APR-1 MCB
DVW-A500P (UC) : APR-1 MCB
DVW-500 (J, UC) : APR-1 MCB
DVW-500P (EK) : APR-1 MCB
DVW-500P (UC) : APR-1 MCB
DVW-A510 (J, UC) : APR-1BA MCB
DVW-A510P (EK) : APR-1BA MCB
DVW-510 (J, UC) : APR-1B MCB
DVW-510P (EK) : APR-1B MCB
DVW-CA510 (J, UC) : APR-1BA MCB
DVW-CA510P (EK) : APR-1BA MCB
DVW-A500_APR-1_016_1



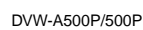
1-22 (b)

1-22 (b)

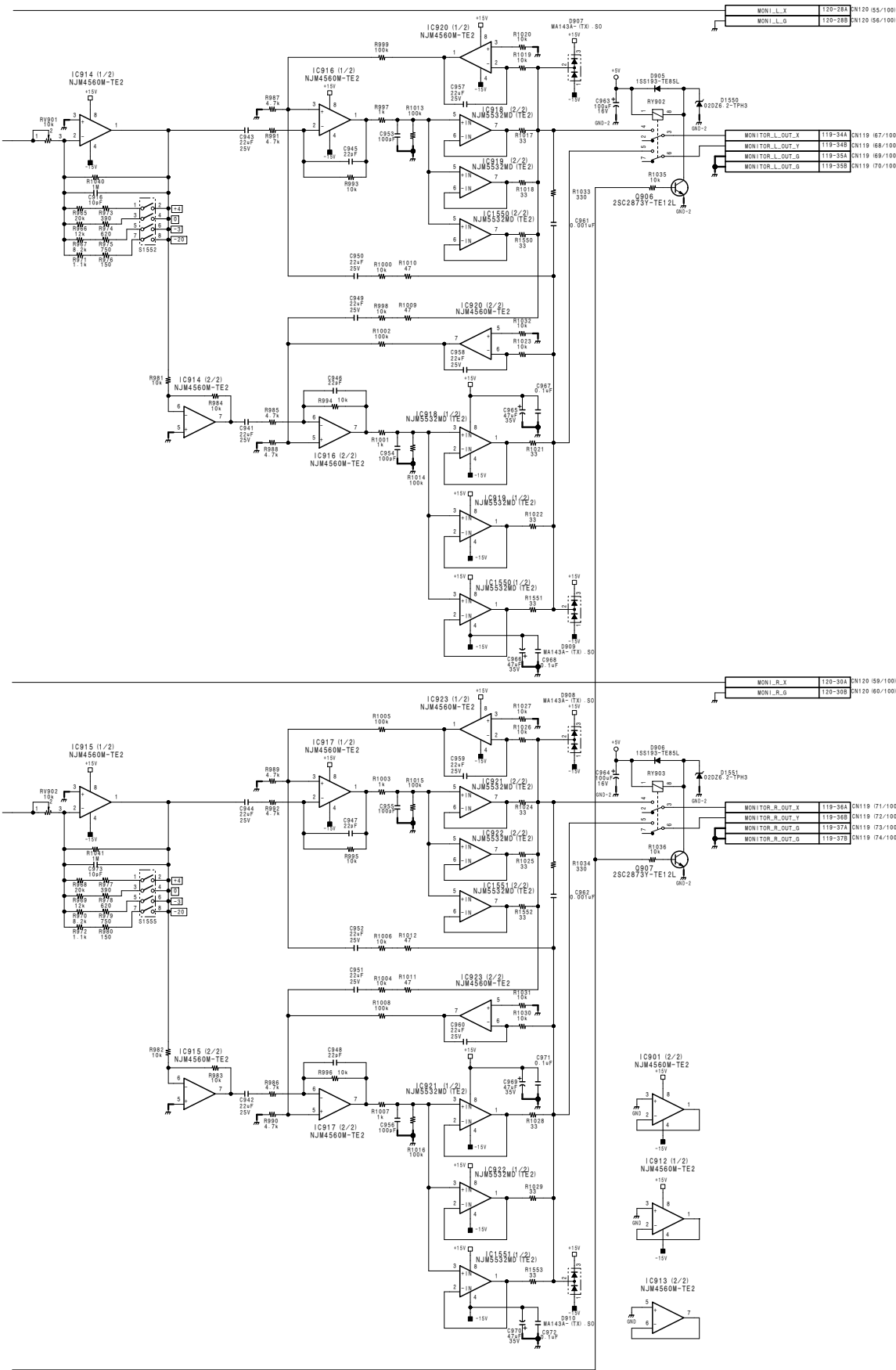


1-24 (b)

1-24 (b)

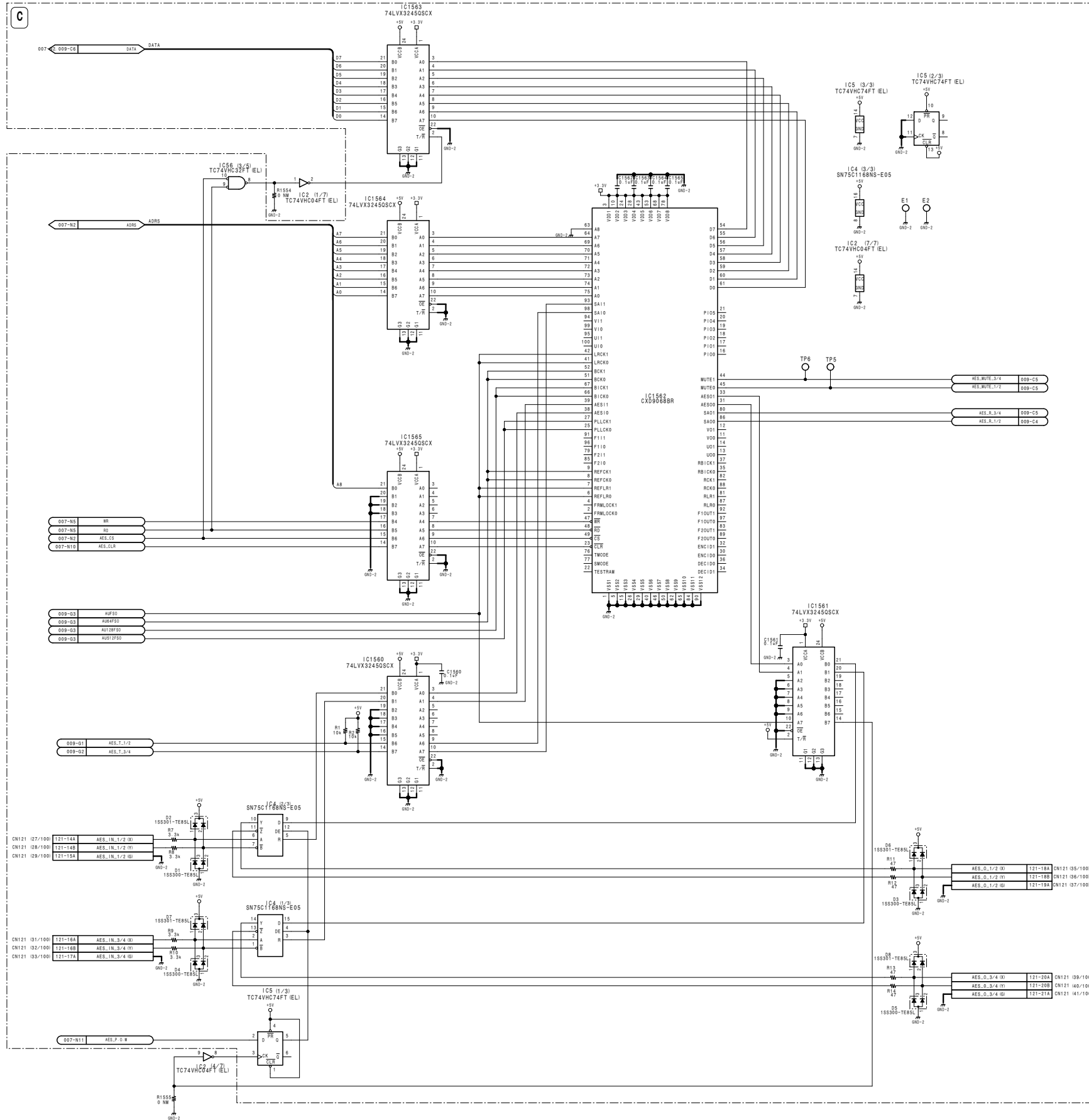


BOARD NO. 1-648-534-16
BOARD'S LOT NO. 910-
DVW-A500 (J. UC) : APR-1 MCB
DVW-A500P (EK) : APR-1 MCB
DVW-A500P (UC) : APR-1 MCB
DVW-500 (J. UC) : APR-1 MCB
DVW-500P (EK) : APR-1 MCB
DVW-500P (UC) : APR-1 MCB
DVW-A510 (J. UC) : APR-1BA MCB
DVW-A510P (EK) : APR-1BA MCB
DVW-510 (J. UC) : APR-1B MCB
DVW-510P (EK) : APR-1B MCB
DVW-CA510 (J. UC) : APR-1BA MCB
DVW-CA510P (EK) : APR-1BA MCB
DVW-A500_APR-1_016_3



Monitor L/R D/A Convert & Output Drive
APR-1 BOARD (5/9)

BOARD NO. 1-648-534-16
BOARD'S LOT NO. 910-
DVW-A500 (J. UC) : APR-1 MCB
DVW-A500P (EK) : APR-1 MCB
DVW-A500P (UC) : APR-1 MCB
DVW-500 (J. UC) : APR-1 MCB
DVW-500P (EK) : APR-1 MCB
DVW-500P (UC) : APR-1 MCB
DVW-A510 (J. UC) : APR-1BA MCB
DVW-A510P (EK) : APR-1BA MCB
DVW-510 (J. UC) : APR-1B MCB
DVW-510P (EK) : APR-1B MCB
DVW-CA510 (J. UC) : APR-1BA MCB
DVW-CA510P (EK) : APR-1BA MCB
DVW-A500_APR-1_016_5



AES Encode/Decode
APR-1 BOARD (6/9)

BOARD NO. 1-648-534-16

BOARD'S LOT NO. 910-

DVW-A500 (J, UC) : APR-1 MCB

DVW-A500P (EK) : APR-1 MCB

DVW-A500P (UC) : APR-1 MCB

DVW-500 (J, UC) : APR-1 MCB

DVW-500P (EK) : APR-1 MCB

DVW-500P (UC) : APR-1 MCB

DVW-A510 (J, UC) : APR-1BA MCB

DVW-A510P (EK) : APR-1BA MCB

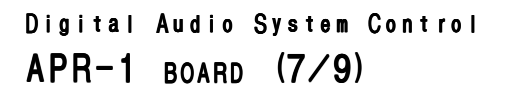
DVW-510 (J, UC) : APR-1B MCB

DVW-510P (EK) : APR-1B MCB

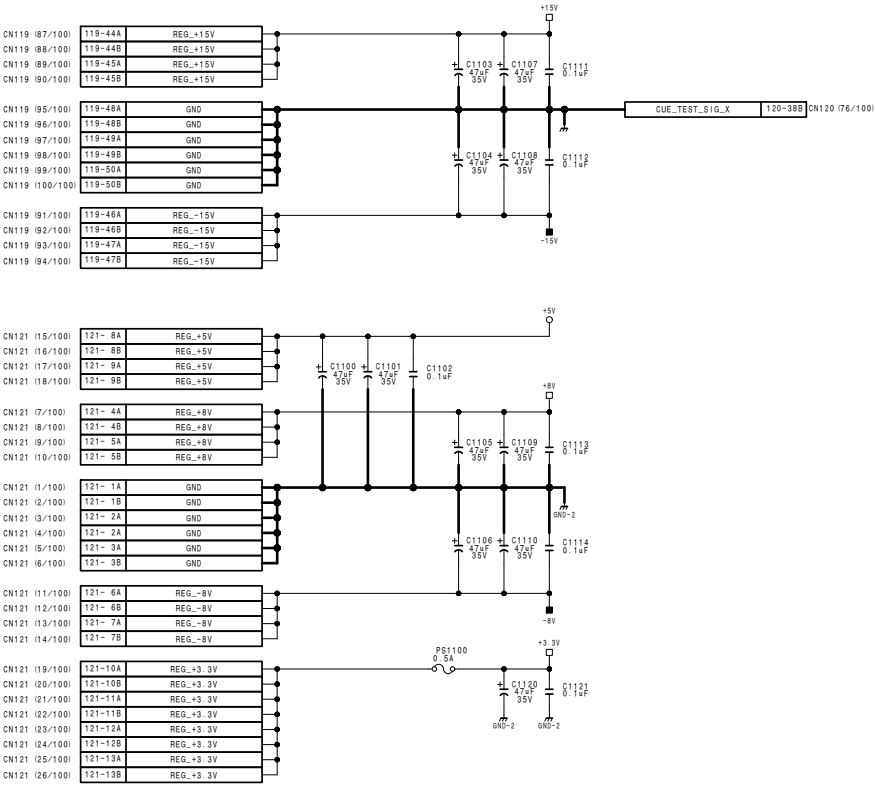
DVW-CA510 (J, UC) : APR-1BA MCB

DVW-CA510P (EK) : APR-1BA MCB

DVW-A500_APR-1_016_6



DVW-A500P/500P



Digital Audio Self-Diagnosis

APR-1 BOARD (8/9)

BOARD NO. 1-648-534-16
BOARD'S LOT NO. 910-
DVW-A500 (J. UC) : APR-1 MCB
DVW-A500P (EK) : APR-1 MCB
DVW-A500P (UC) : APR-1 MCB
DVW-500 (J. UC) : APR-1 MCB
DVW-500P (EK) : APR-1 MCB
DVW-500P (UC) : APR-1 MCB
DVW-A510 (J. UC) : APR-1BA MCB
DVW-A510P (EK) : APR-1BA MCB
DVW-510 (J. UC) : APR-1B MCB
DVW-510P (EK) : APR-1B MCB
DVW-CA510 (J. UC) : APR-1BA MCB
DVW-CA510P (EK) : APR-1BA MCB
DVW-A500_APR-1_016_8



Bus Buffer

BOARD NO. 1-648-534-16

BOARD'S LOT NO. 910-

DVW-A500 (J, UC) : APR-1 MCB

DVW-A500P (EK) : APR-1 MCB

DVW-A500P (UC) : APR-1 MCB

DVW-500 (J, UC) : APR-1 MCB

DVW-500P (EK) : APR-1 MCB

DVW-500P (UC) : APR-1 MCB

DVW-A510 (J, UC) : APR-1BA M

DVW-A510P (EK) : APR-1BA M

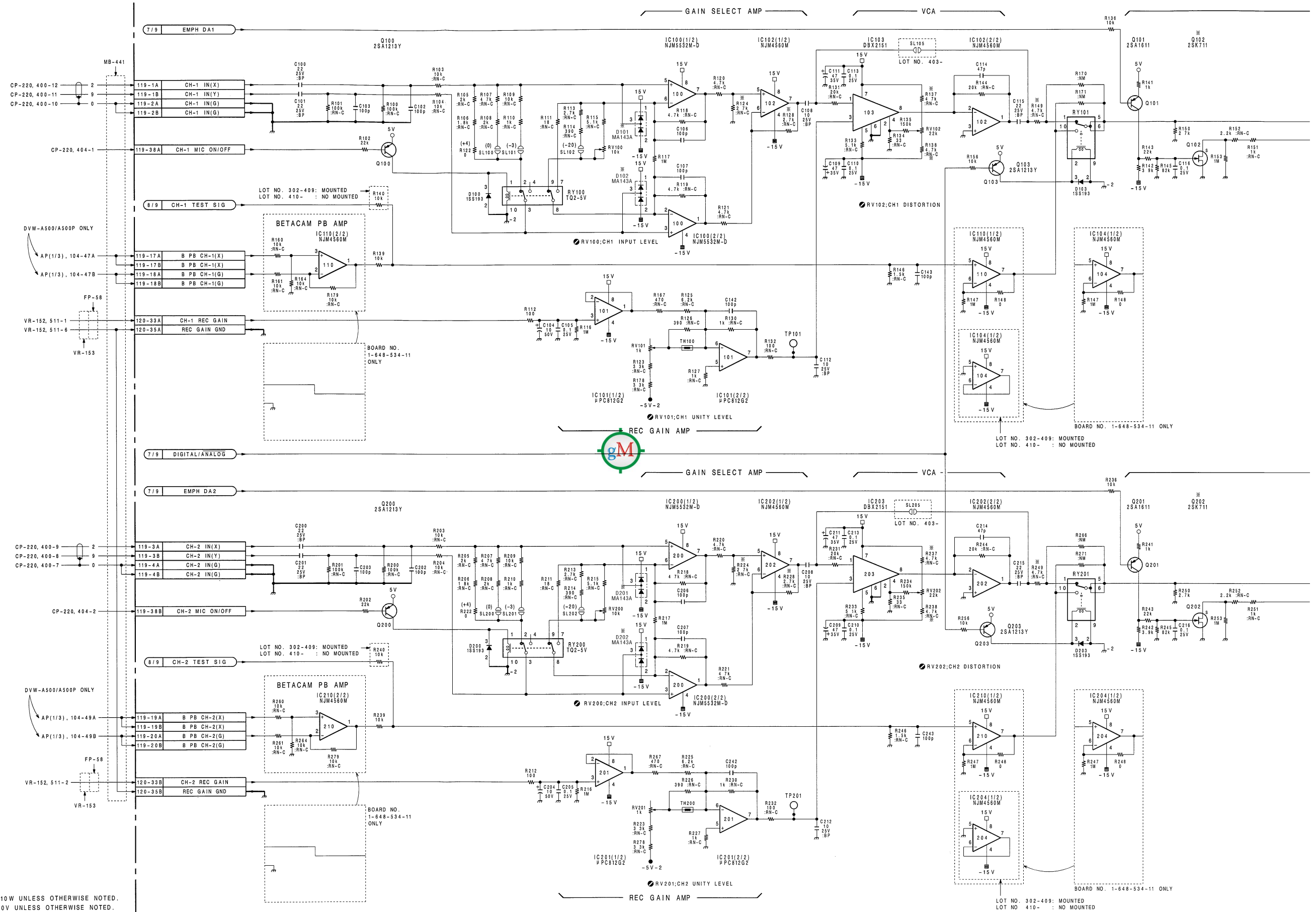
DVW-510 (J, UC) : APR-1B MC

DVW-510P (EK) : APR-1B MC

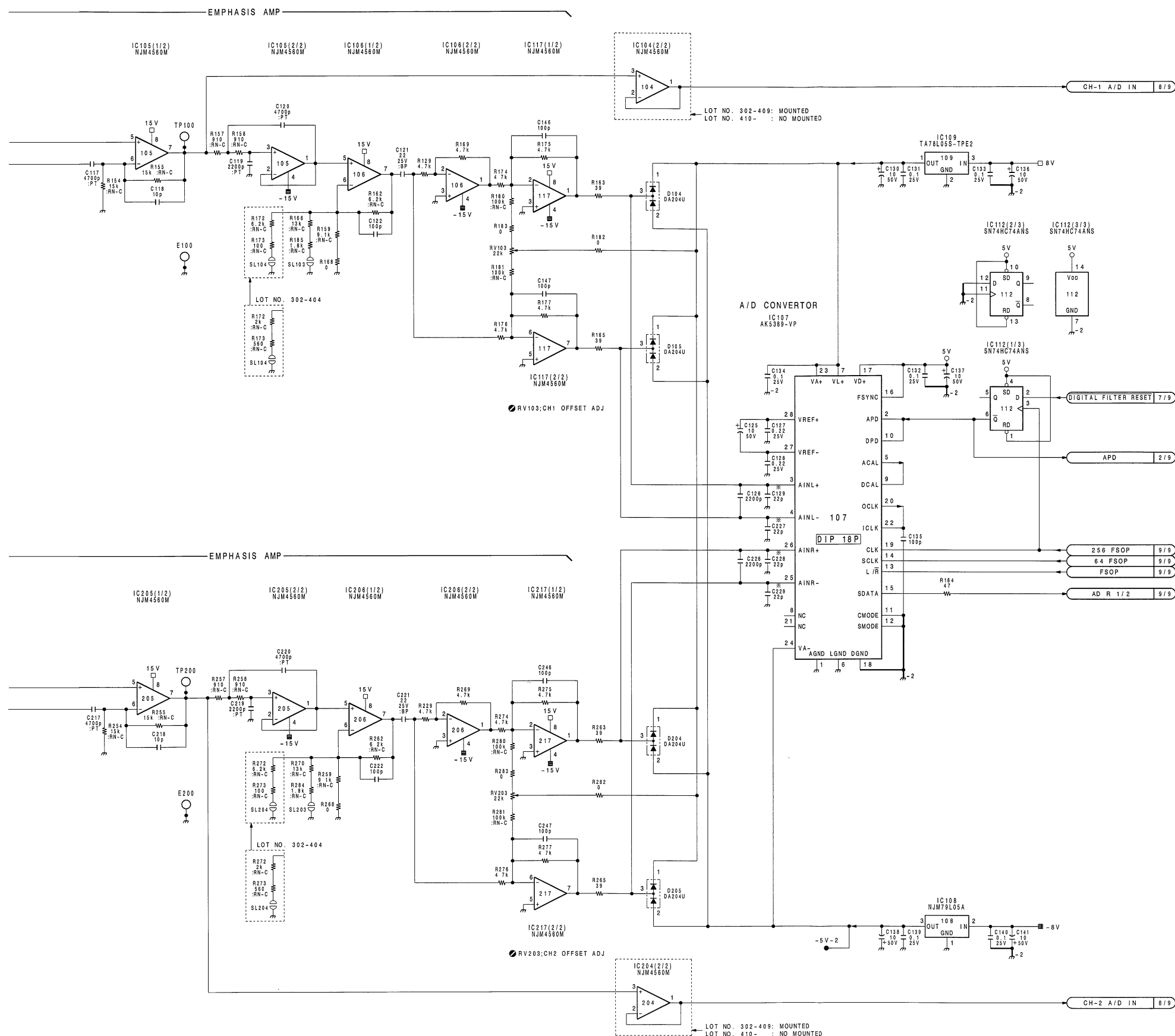
DVW-CA510 (J, UC) : APR-1BA M

DVW-CA510P (EK) : APR-1BA M

DVW-A500 APR-1 016 9

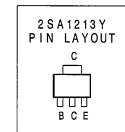
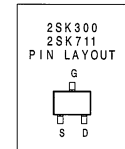
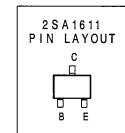
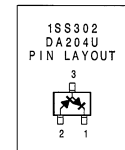
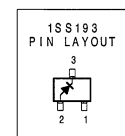


NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.



※ PART CHANGE INFORMATION			旧部品に対する補修部品 同時に交換する部品		
Ref. No.	Old	New	Change Lot No.	Repair part for Old part	Simultaneously change part
F-1	R137	20k → 4.7k	309	4.7k	R138
F-2	R138	20k → 4.7k	309	4.7k	R137
F-4	R237	20k → 4.7k	309	4.7k	R238
F-4	R238	20k → 4.7k	309	4.7k	R237
L-3	C129	2200p → 22p	401	22p	C227, C228, C229
L-3	C227	2200p → 22p	401	22p	C129, C228, C229
L-3	C228	2200p → 22p	401	22p	C129, C227, C229
L-3	C229	2200p → 22p	401	22p	C129, C227, C228
E-1	D101	DA204U → 1SS302	403	MA143A	
		1SS302 → MA143A	806		
E-2	D102	DA204U → 1SS302	403	MA143A	
		1SS302 → MA143A	806		
E-4	D201	DA204U → 1SS302	403	MA143A	
		1SS302 → MA143A	806		
E-4	D202	DA204U → 1SS302	403	MA143A	
		1SS302 → MA143A	806		
H-1	Q102	2SK300 → 2SK711	405	2SK711	
H-3	Q202	2SK300 → 2SK711	405	2SK711	
E-1	R124	4.7k → 2.7k	△ 405	2.7k	R128, R149
E-1	R128	4.7k → 2.7k	△ 405	2.7k	R124, R149
G-1	R149	11k → 4.7k	△ 405	4.7k	R124, R128
E-4	R224	4.7k → 2.7k	△ 405	2.7k	R228, R249
E-4	R228	4.7k → 2.7k	△ 405	2.7k	R224, R249
G-4	R249	11k → 4.7k	△ 405	4.7k	R224, R228

△ : IN THE CASE OF APR-1P MCB, CHANGED FROM LOT NO. 403

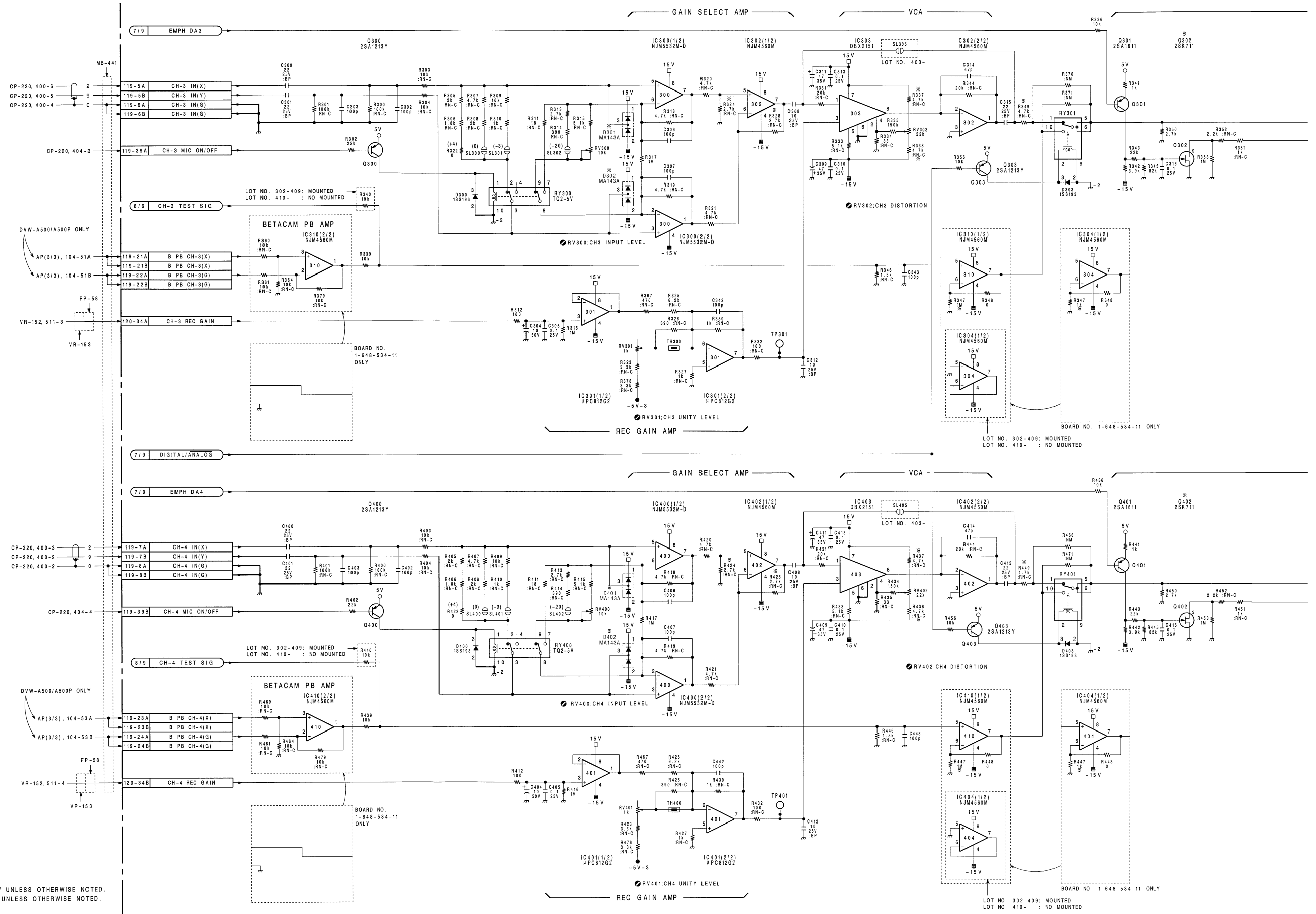


LOT NO.	BOARD NO.
302-305	1-648-534-11
306	1-648-534-11, 12
307-402	1-648-534-12
403-412	1-648-534-13
501-909	1-648-534-14

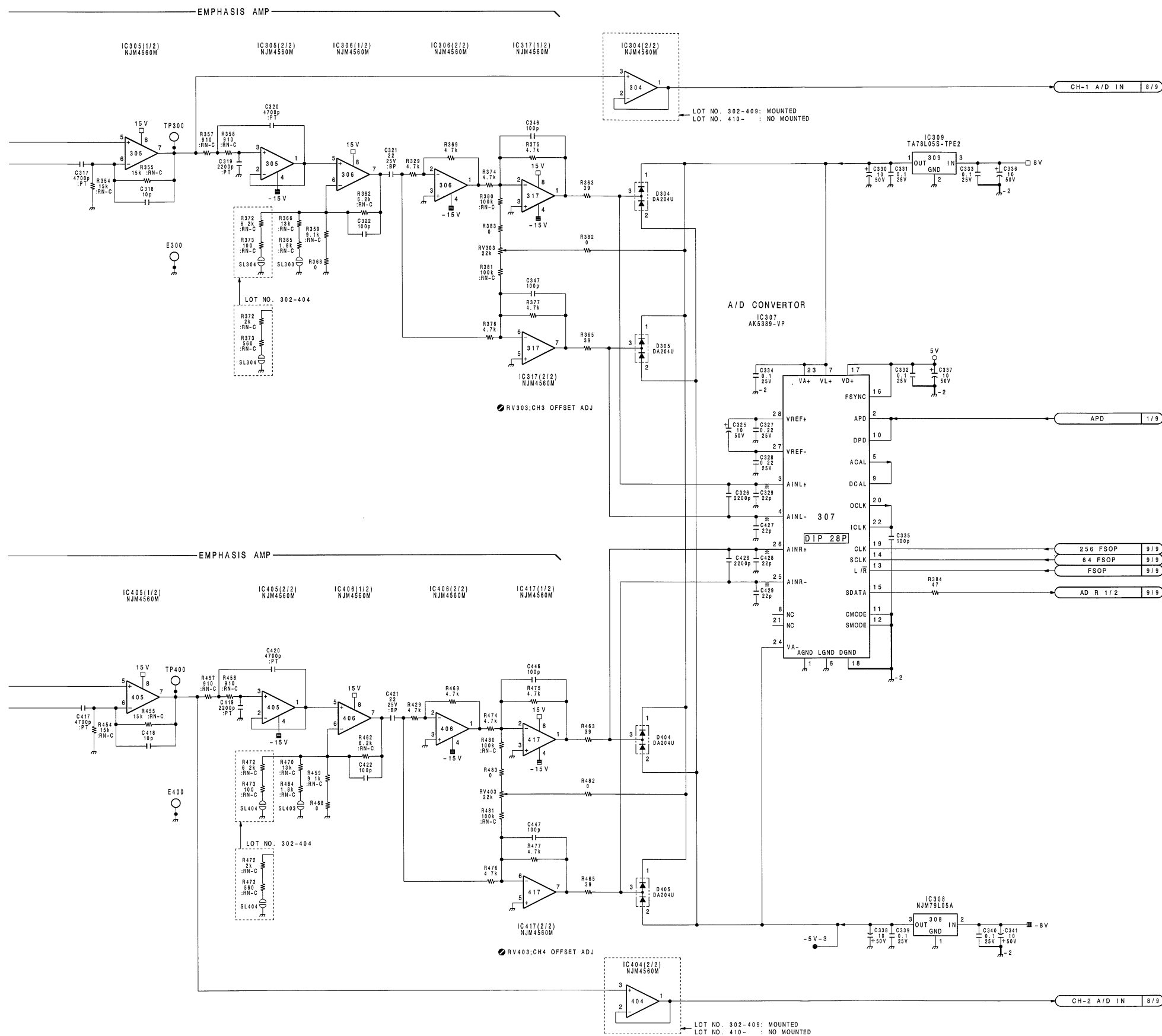
CH-1/CH-2 A/D Convert APR-1 BOARD (1/9)

BOARD NO. 1-648-534-11, 12, 13, 14
BOARD'S LOT NO. 302-909
DVW-A500(J, UC) : APR-1 MCB
DVW-A500P(EK) : APR-1P MCB
DVW-A500P(UC) : APR-1PG MCB
DVW-500 (J, UC) : APR-1 MCB
DVW-500P (EK) : APR-1P MCB
DVW-500P (UC) : APR-1PG MCB

DVW-APR1-ALL-REC-S/M-04

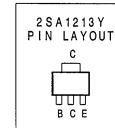
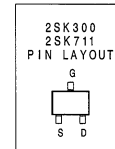
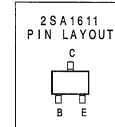
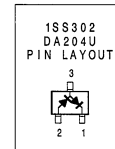
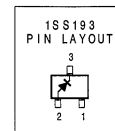


NOTE;
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.



※ PART CHANGE INFORMATION			旧部品に対する補修部品 同時に交換する部品			
	Part change information			Change LOT No.	Repair part for Old part	Simultaneously change part
	Ref. No.	Old	New			
F-1	R337	20k	→ 4.7k	309	4.7k	R338
F-2	R338	20k	→ 4.7k	309	4.7k	R337
F-4	R437	20k	→ 4.7k	309	4.7k	R438
F-4	R438	20k	→ 4.7k	309	4.7k	R437
F-2	R347	1k	→ 1M	310	1M	
G-2						
F-5	R447	1k	→ 1M	310	1M	
G-5						
L-3	C329	2200p	→ 22p	401	22p	C427, C428, C429
L-3	C427	2200p	→ 22p	401	22p	C329, C428, C429
L-3	C428	2200p	→ 22p	401	22p	C329, C427, C429
L-3	C429	2200p	→ 22p	401	22p	C329, C427, C428
E-1	D301	DA204U	→ 1SS302	403	MA143A	
		1SS302	→ MA143A	806		
E-2	D302	DA204U	→ 1SS302	403	MA143A	
		1SS302	→ MA143A	806		
E-4	D401	DA204U	→ 1SS302	403	MA143A	
		1SS302	→ MA143A	806		
E-4	D402	DA204U	→ 1SS302	403	MA143A	
		1SS302	→ MA143A	806		
H-1	Q302	2SK300	→ 2SK711	405	2SK711	
H-3	Q402	2SK300	→ 2SK711	405	2SK711	
E-1	R324	4.7k	→ 2.7k	△ 405	2.7k	R328, R349
E-1	R328	4.7k	→ 2.7k	△ 405	2.7k	R324, R349
G-1	R349	11k	→ 4.7k	△ 405	4.7k	R324, R328
E-4	R424	4.7k	→ 2.7k	△ 405	2.7k	R428, R449
E-4	R428	4.7k	→ 2.7k	△ 405	2.7k	R424, R449
G-4	R449	11k	→ 4.7k	△ 405	4.7k	R424, R428

△ : IN THE CASE OF APR-1P MCB, CHANGED FROM LOT NO. 403.

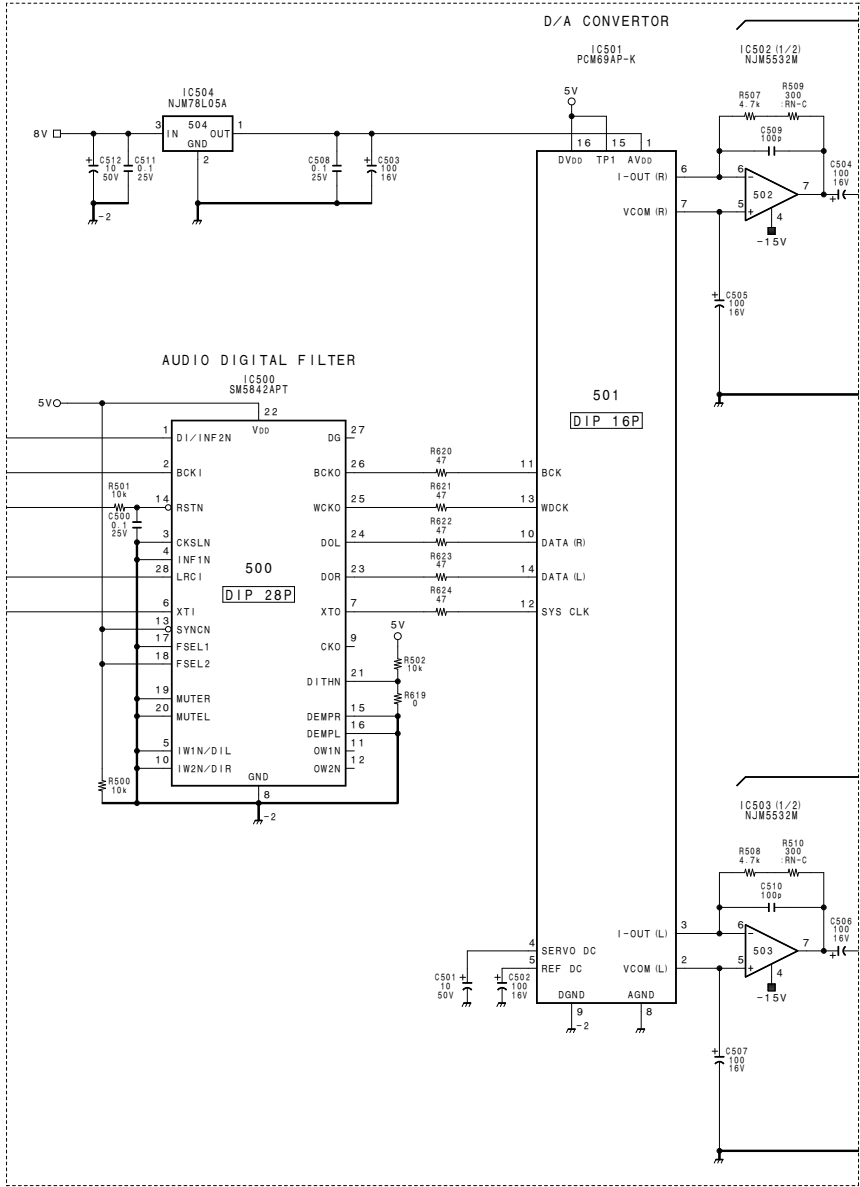


LOT NO.	BOARD NO.
302-305	1-648-534-11
306	1-648-534-11, 12
307-402	1-648-534-12
403-412	1-648-534-13
501-909	1-648-534-14

CH-3/CH-4 A/D Convert APR-1 BOARD (2/9)

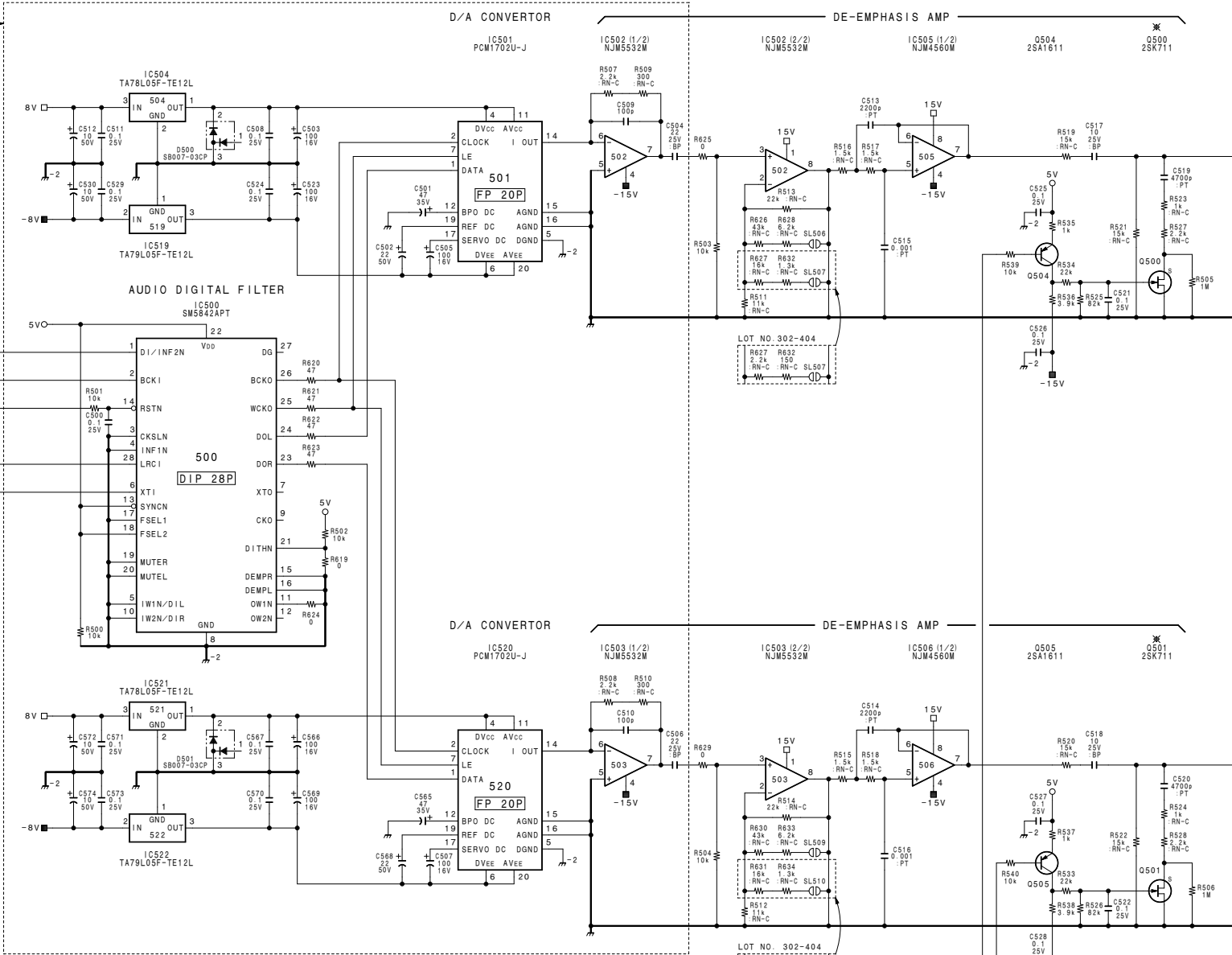
BOARD NO. 1-648-534-11, 12, 13, 14
BOARD'S LOT NO. 302-909
DVW-A500(J, UC) : APR-1 MCB
DVW-A500P(EK) : APR-1P MCB
DVW-A500P(UC) : APR-1PG MCB
DVW-500 (J, UC) : APR-1 MCB
DVW-500P (EK) : APR-1P MCB
DVW-500P (UC) : APR-1PG MCB

[DVW-APR1-ALL-REC-S/M-04]



7/9 POWER ON/OFF MUTE

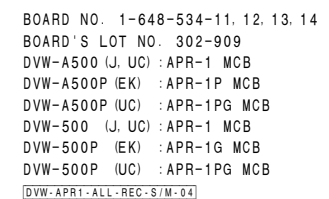
8/9 DA T 1/2
8/9 64 FSOP
7/9 DIGITAL FILTER RESET
8/9 FSOP
8/9 256 FSOP



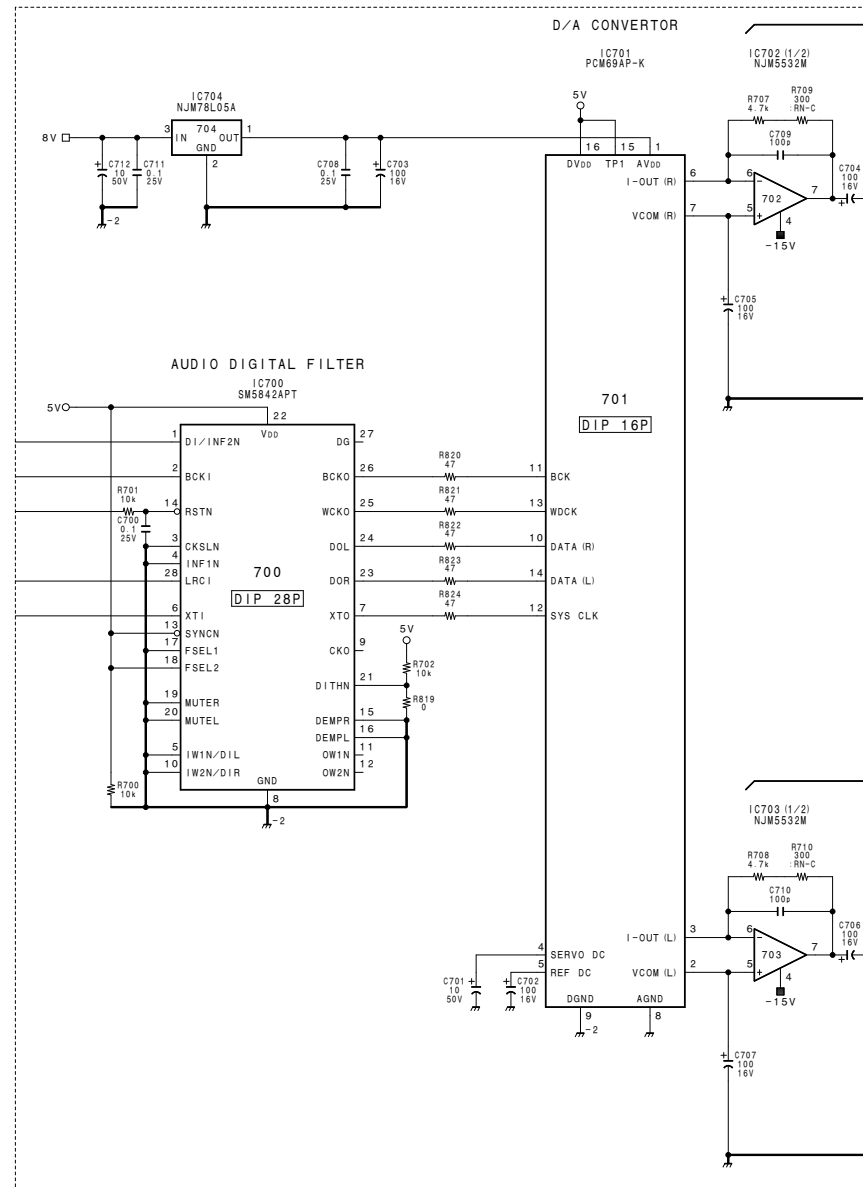
※ PART CHANGE INFORMATION

Part change information		Change	Repair part	Simultaneously
Ref. No.	Old	New	LOT No.	change part
C553	10 50V	100 16V	310	100 16V
C554	10 50V	100 16V	310	100 16V
D504	DA204U	1SS302	311	MA143A
D505	1SS302	MA143A	806	D704-707, D907-910
D507				
Q500	2SK300	2SK711	405	2SK711
Q501	2SK300	2SK711	405	2SK711

NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.



7/9 POWER ON/OFF MUTE



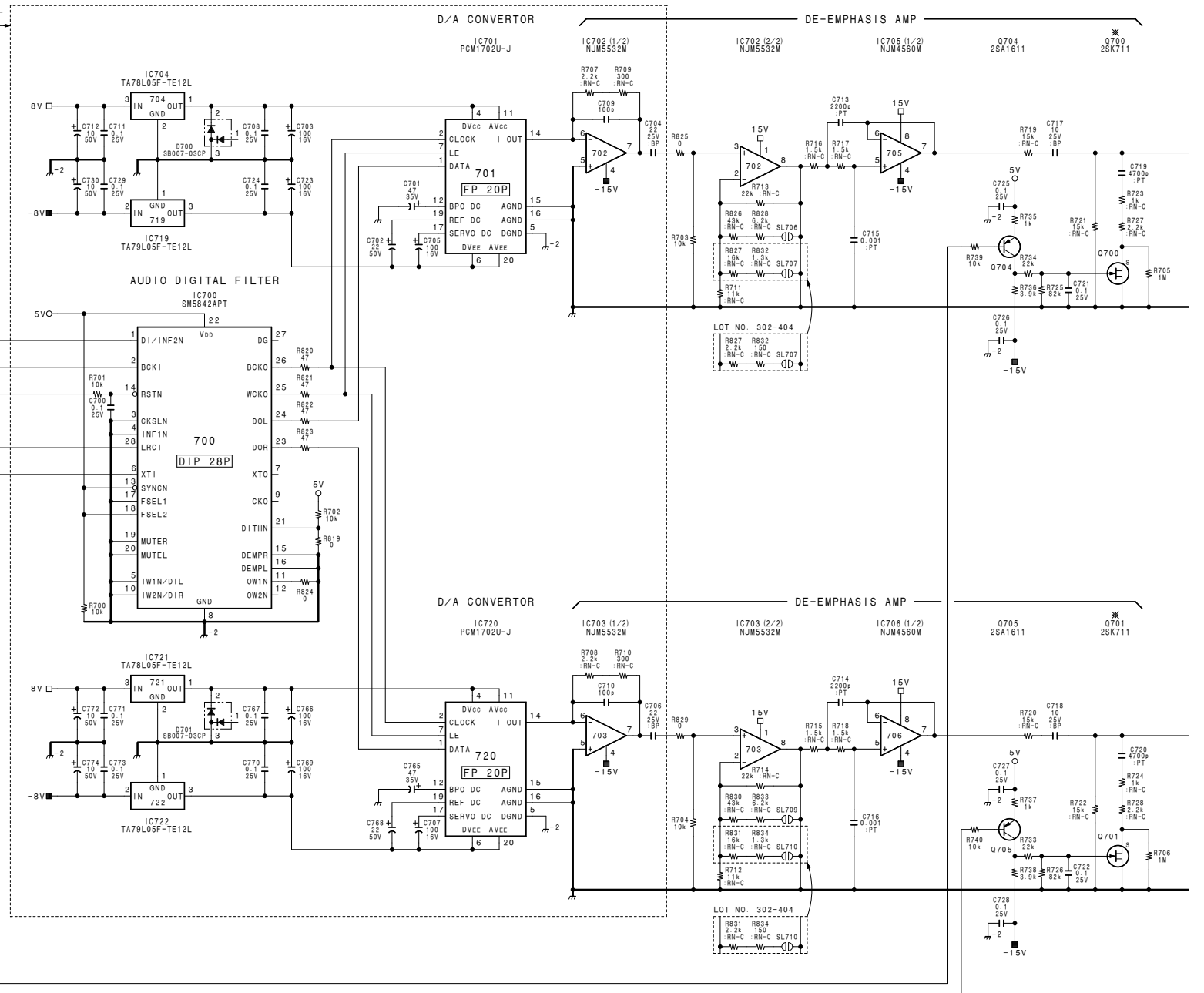
✱ PART CHANGE INFORMATION

Part change information				Change	Repair part	Simultaneously
Ref. No.	Old	New	LOT No.	for Old part	change part	
0704						
0705	DA204U	→ 1S302	311		D504-507.	
0706	1S302	→ MA143A	806	MA143A	0704-707.	
0707					D907-910	
0700	2SK300	→ 2SK711	405	2SK711		
0701	2SK300	→ 2SK711	405	2SK711		

7/9 DE-EMPHA DA3

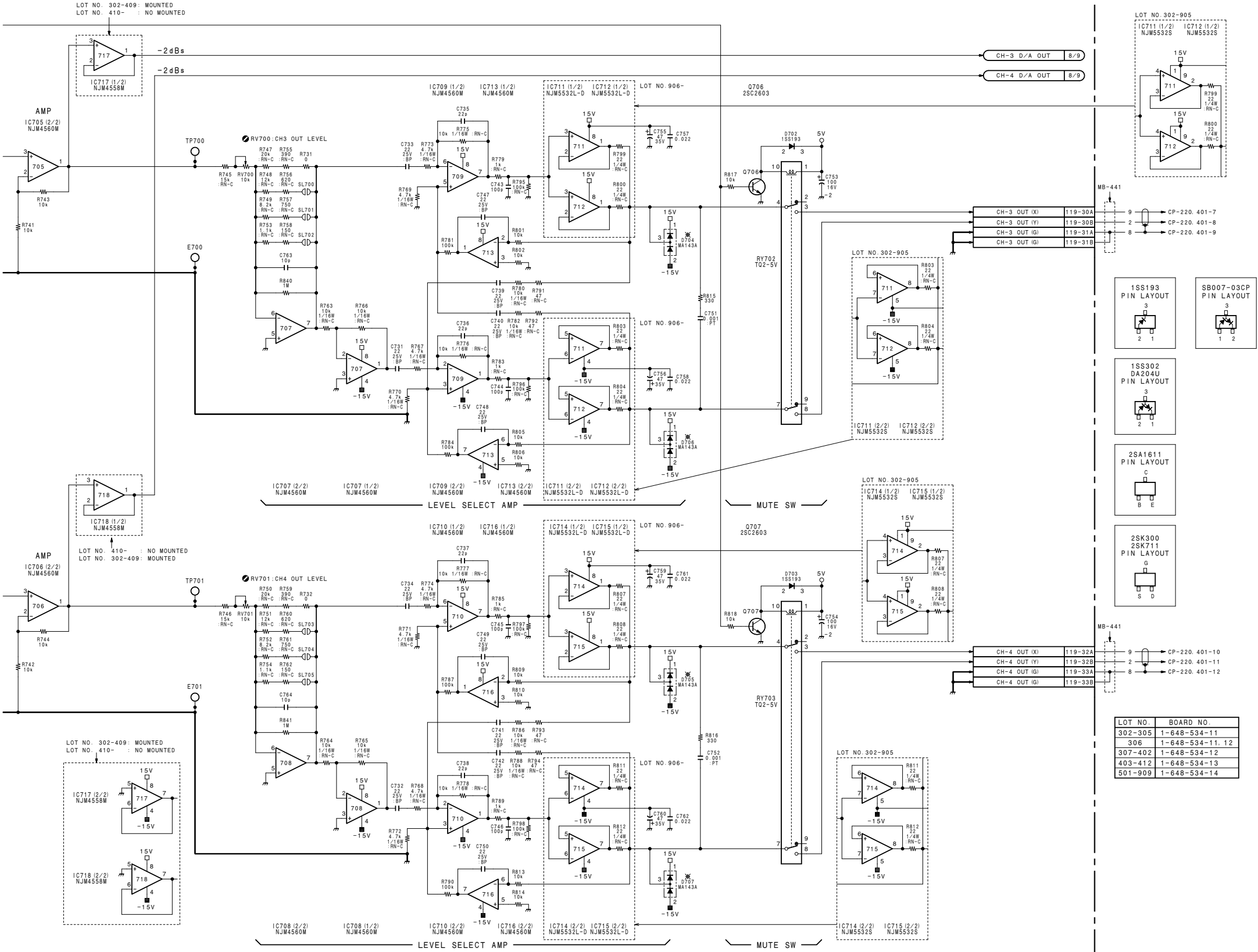
7/9	DE-EMPHA DA3
7/9	DE-EMPHA DA4

NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.



1-26 (a)

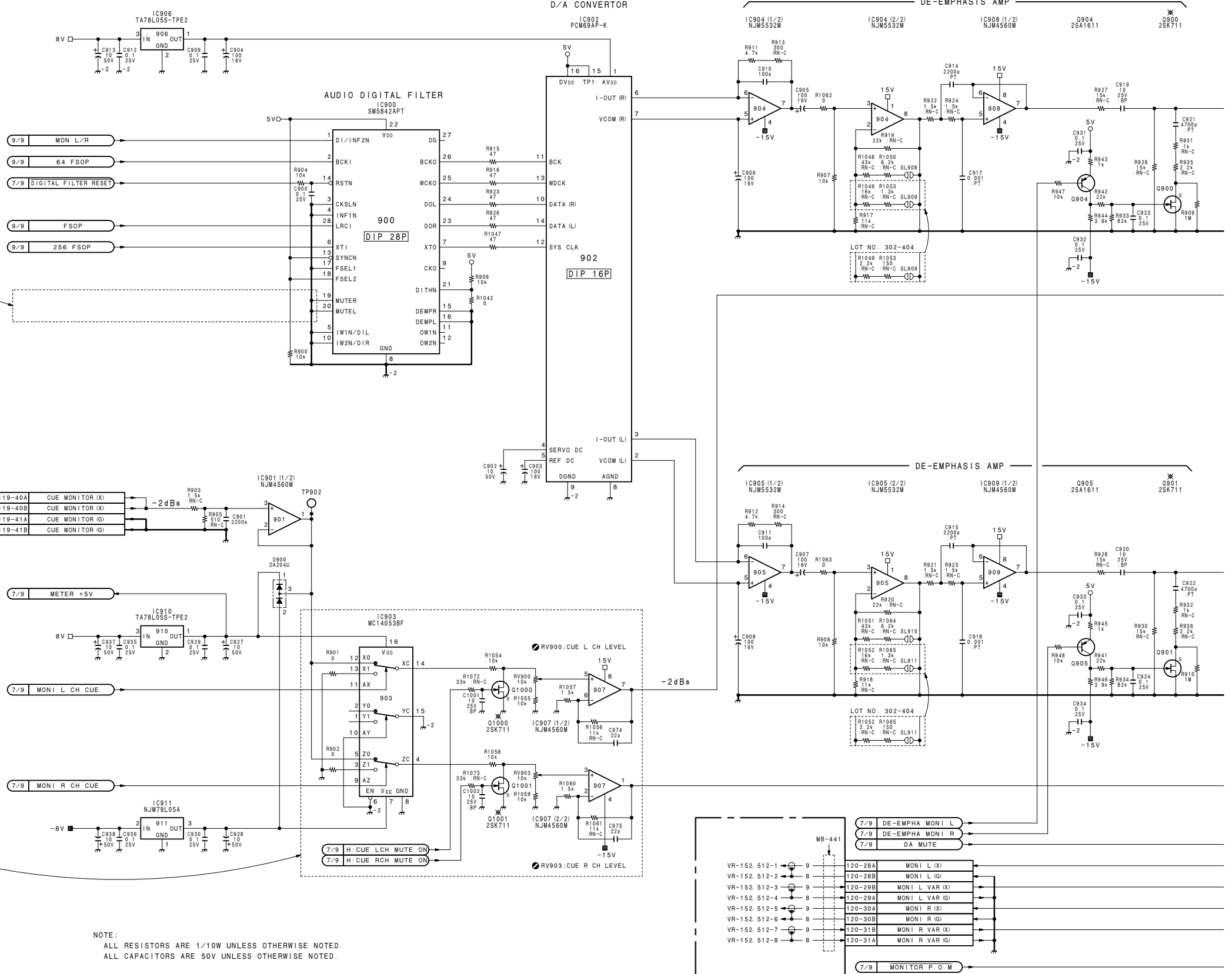
1-26 (a)



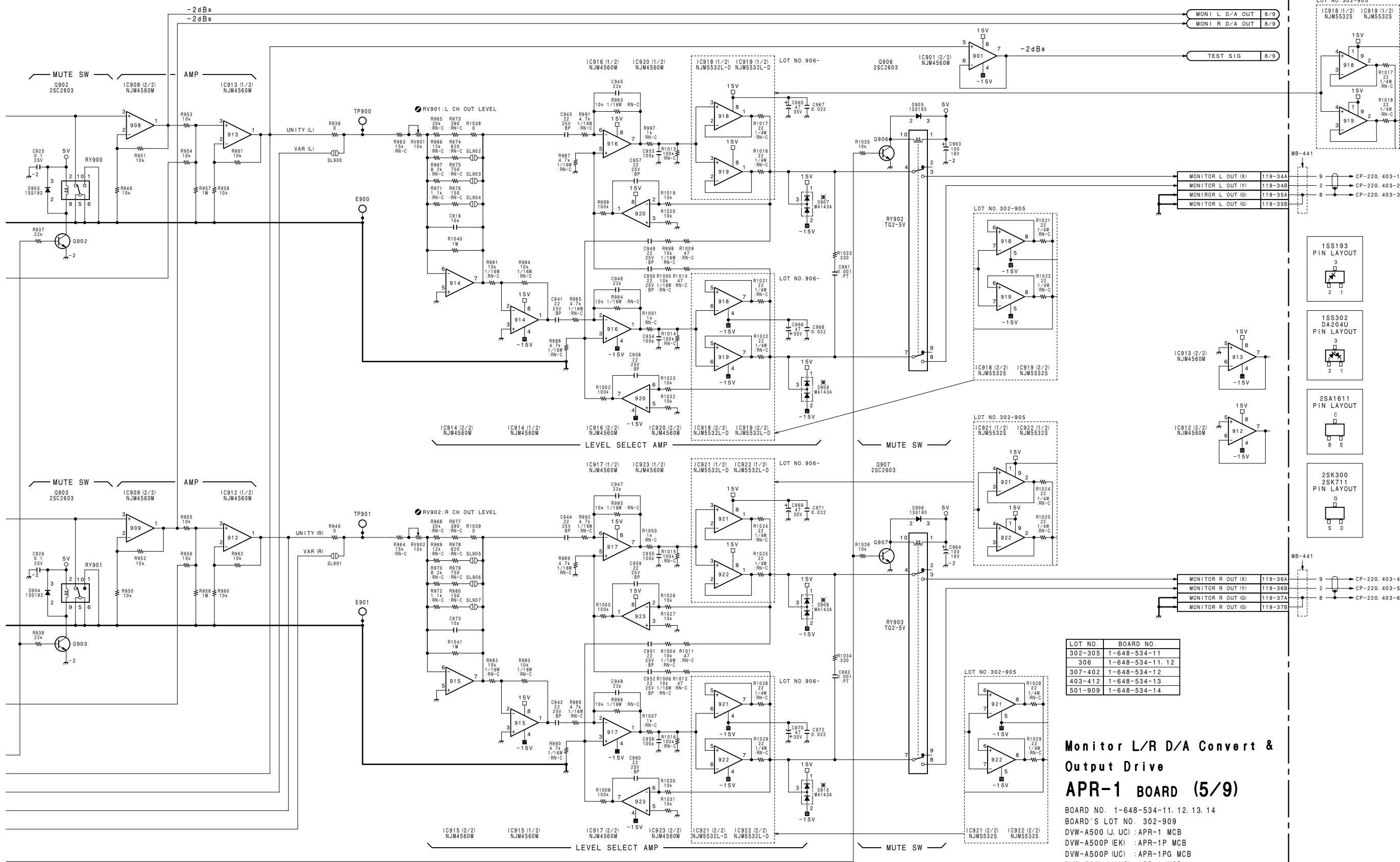
CH-3/CH-4 D/A Convert & Output Drive
APR-1 BOARD (4/9)

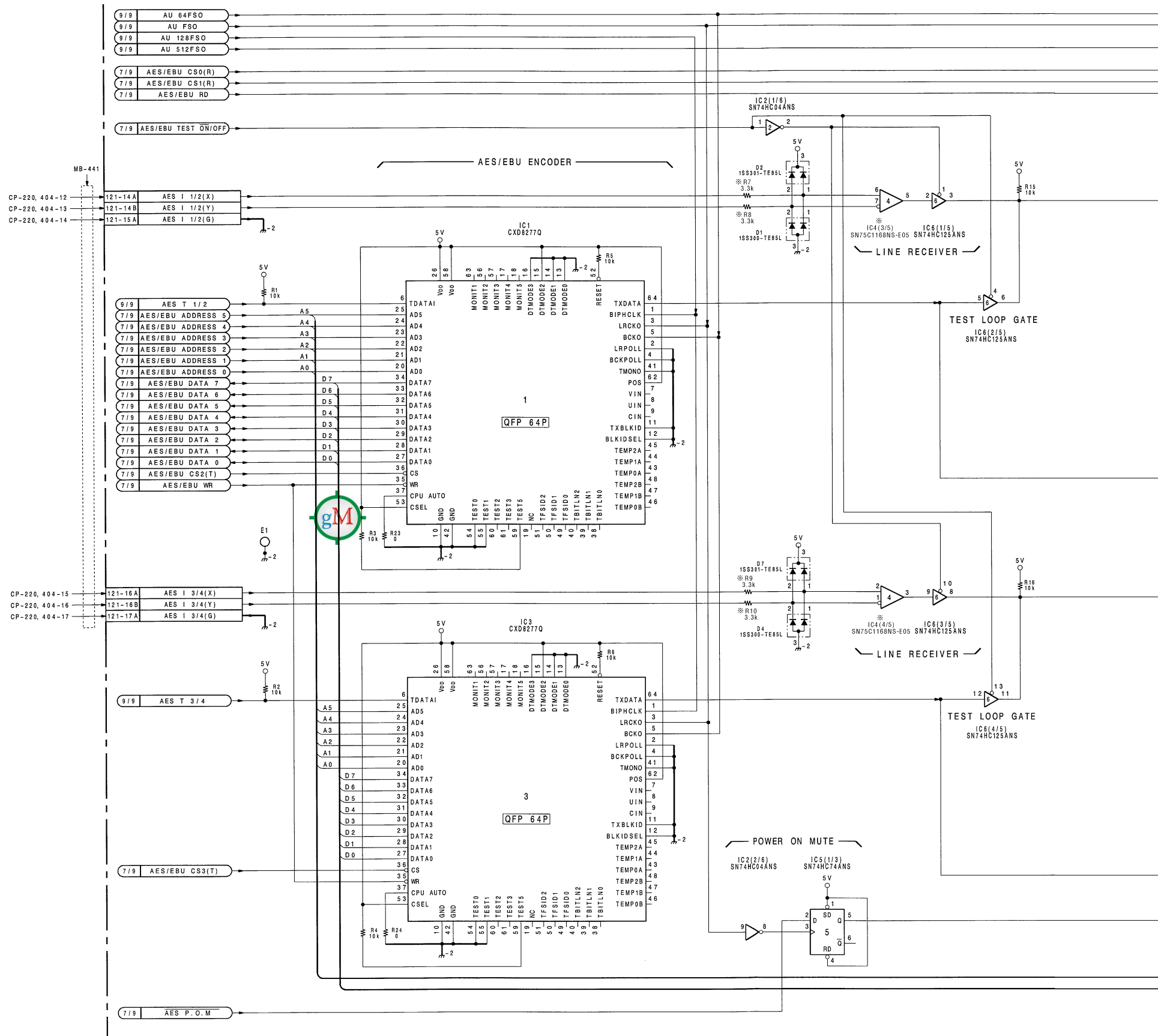
BOARD NO. 1-648-534-11, 12, 13, 14
BOARD'S LOT NO. 302-909
DVW-A500 (J, UC) : APR-1 MCB
DVW-A500P (EK) : APR-1P MCB
DVW-A500P (UC) : APR-1PG MCB
DVW-500 (J, UC) : APR-1 MCB
DVW-500P (EK) : APR-1G MCB
DVW-500P (UC) : APR-1PG MCB
[DVW-APR1-ALL-REC-S/M-04]

Part change information			Change LOT No.	Repair part for Old part	Simultaneously change part
Ref. No.	Old	New			
D907					
D908	DA204U	→ 1SS302	311	MA143A	D504-507, D704-707, D907-910
D909	1SS302	→ MA143A	806		
D910					
D900					
D901					
Q1000	2SK300	→ 2SK711	405	2SK711	
Q1001					



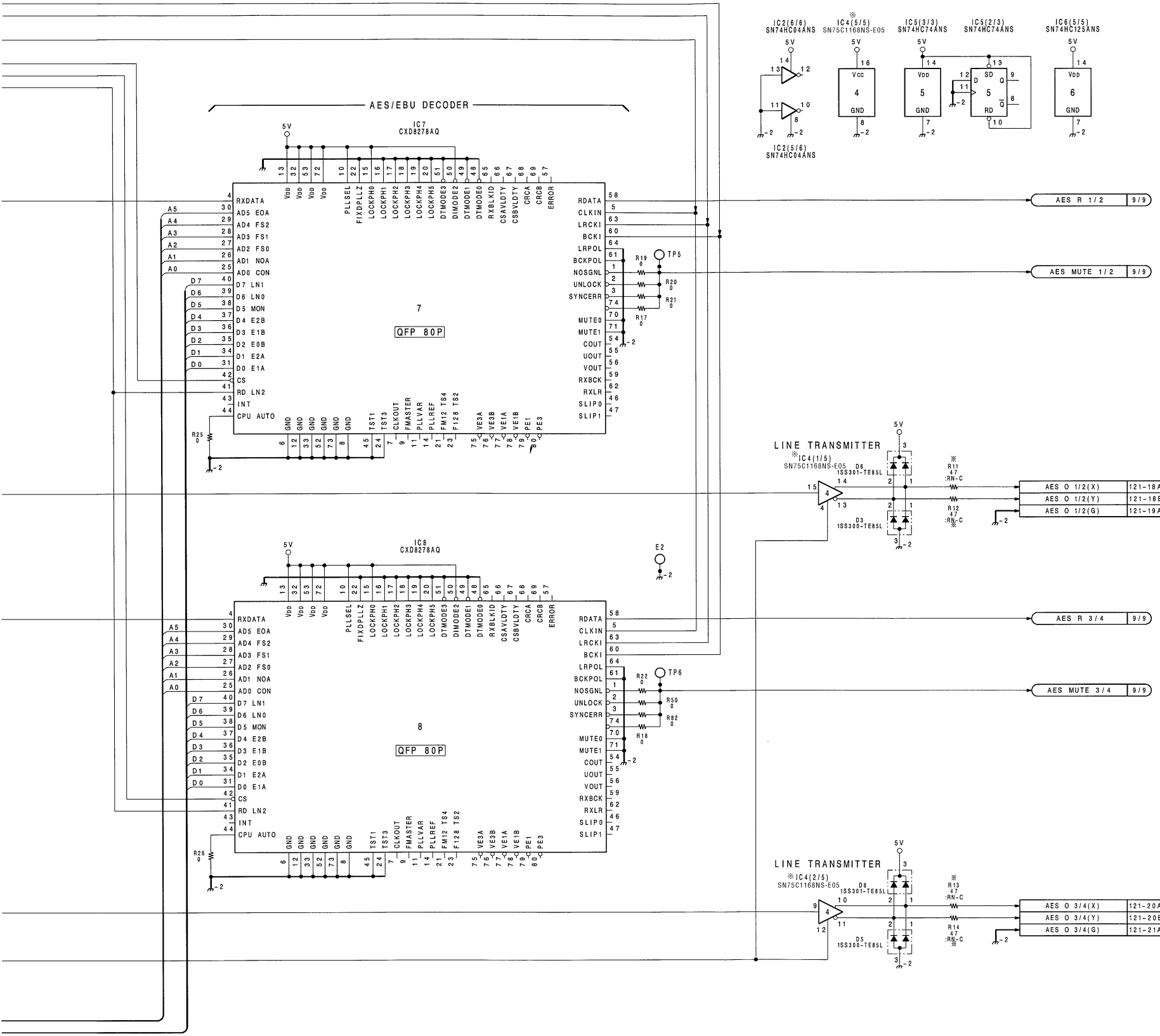
NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.





1-30 (a)

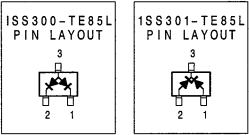
1-30 (a)



NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.

※ PART CHANGE INFORMATION

Part change information			旧部品に対する補修部品 同時に交換する部品		
Ref. No.	Old	New	Change LOT No.	Repair part for Old part	Simultaneously change part
M-3	R11	10 → 47	306	47	R12, R13, R14
M-3	R12	10 → 47	306	47	R11, R13, R14
M-5	R13	10 → 47	306	47	R11, R12, R14
M-5	R14	10 → 47	306	47	R11, R12, R13
G-2	IC4 MC34051M → SN75C1168NS-E05		804	SN75C1168NS-E05	R7-R10
G-4					
L-1					
L-3					
L-5					
F-2	R7	10 → 3.3k	804	3.3k	IC4, R8, R9, R10
F-2	R8	10 → 3.3k	804	3.3k	IC4, R7, R9, R10
F-3	R9	10 → 3.3k	804	3.3k	IC4, R7, R8, R10
F-3	R10	10 → 3.3k	804	3.3k	IC4, R7, R8, R9

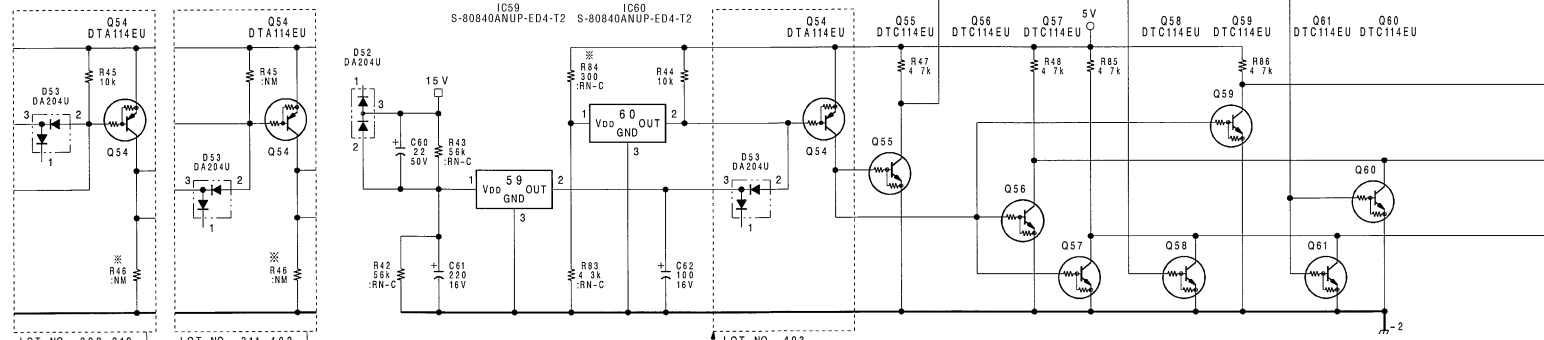


LOT NO.	BOARD NO.
302-305	1-648-534-11
306	1-648-534-11, 12
307-402	1-648-534-12
403-412	1-648-534-13
501-909	1-648-534-14

AES/EBU Encode/Decode
APR-1 BOARD (6/9)

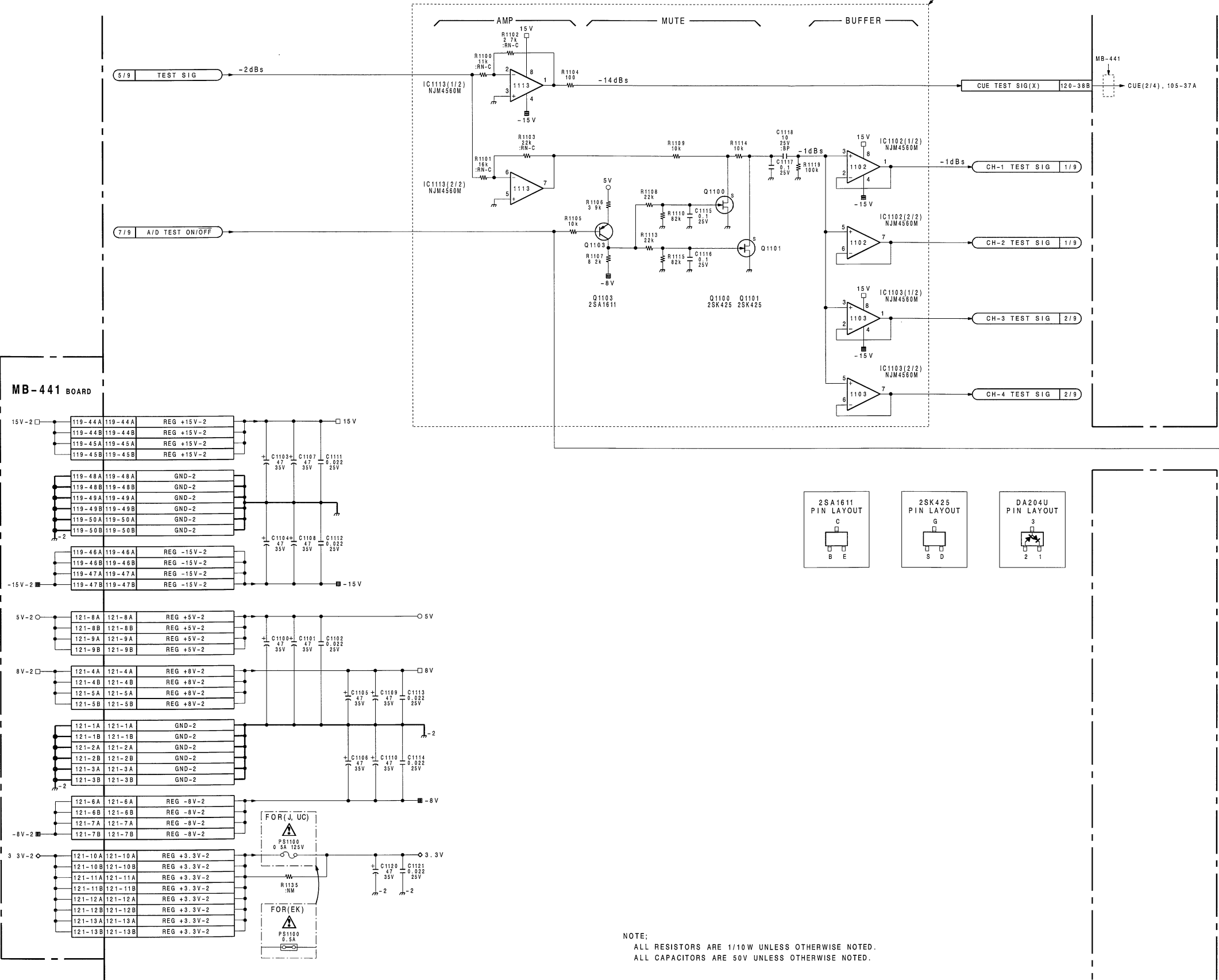
BOARD NO. 1-648-534-11, 12, 13, 14
BOARD'S LOT NO. 302-909
DVW-A500(J, UC) :APR-1 MCB
DVW-A500P(EK) :APR-1P MCB
DVW-A500P(UC) :APR-1PG MCB
DVW-500 (J, UC) :APR-1 MCB
DVW-500P (EK) :APR-1P MCB
DVW-500P (UC) :APR-1PG MCB

DVW-APR1-ALL-REC-S/M-04



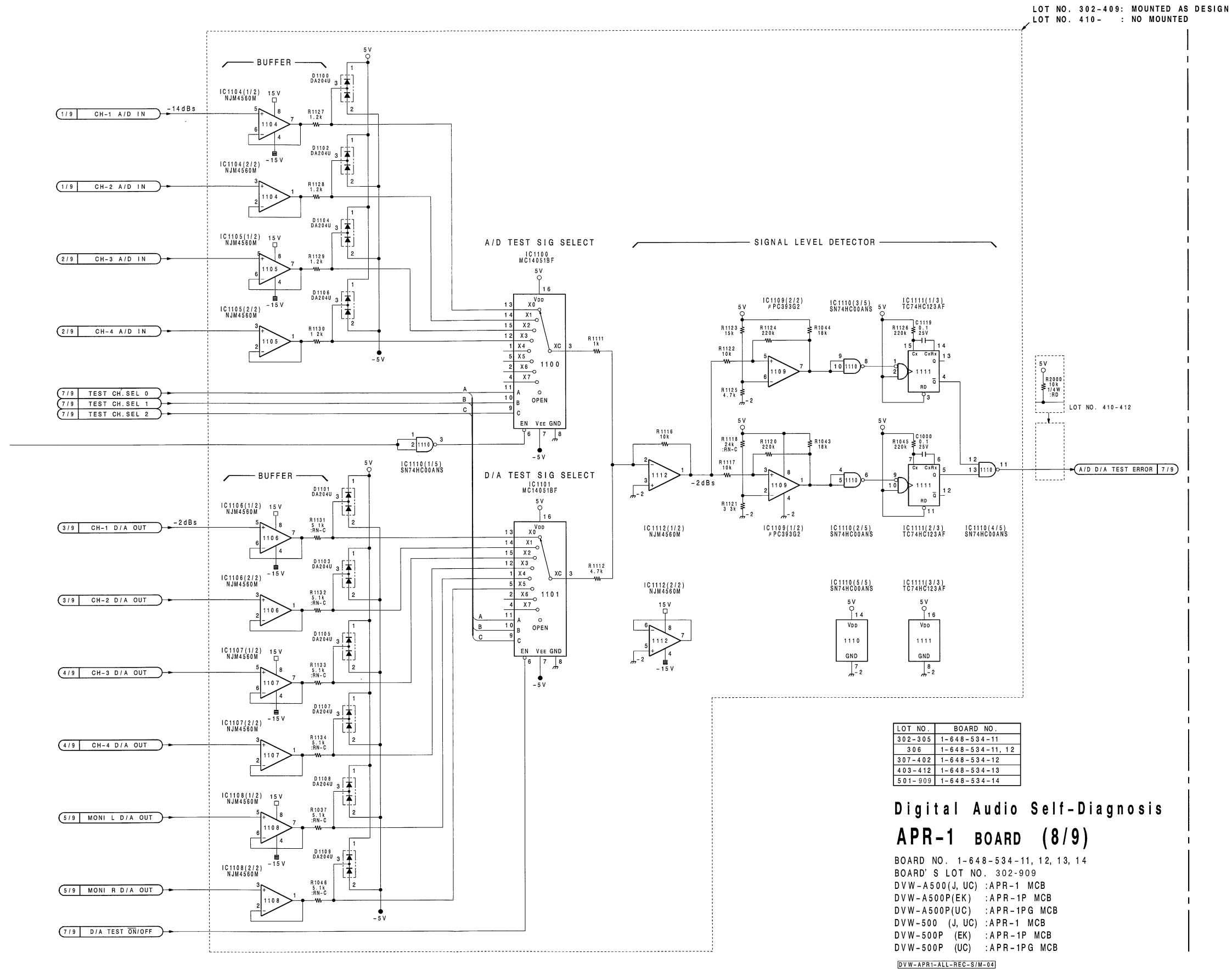
1-32 (a)

LOT NO. 302-409: MOUNTED AS DESIGN
LOT NO. 410- : NO MOUNTED



1-34 (a)

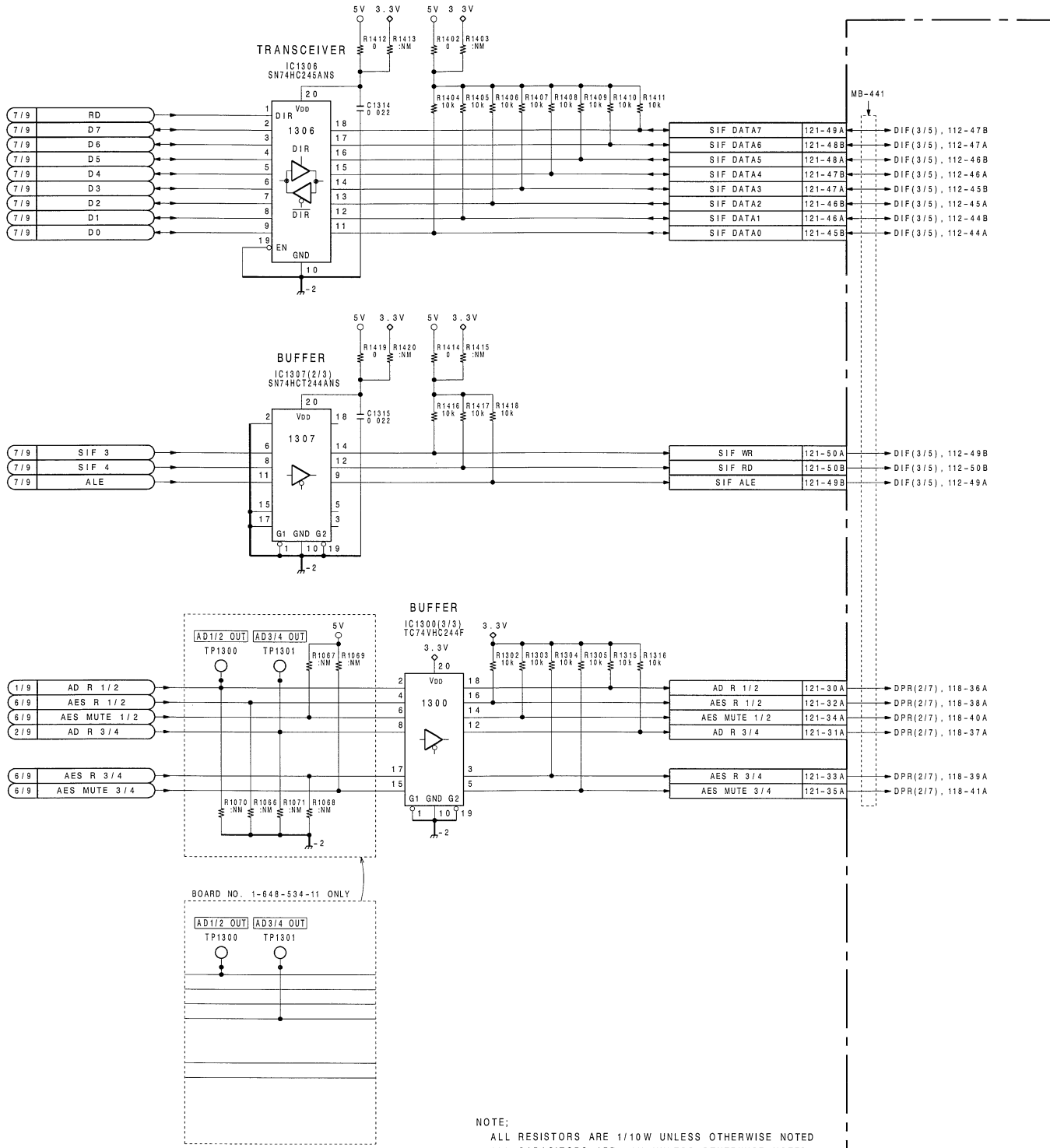
1-34 (a)

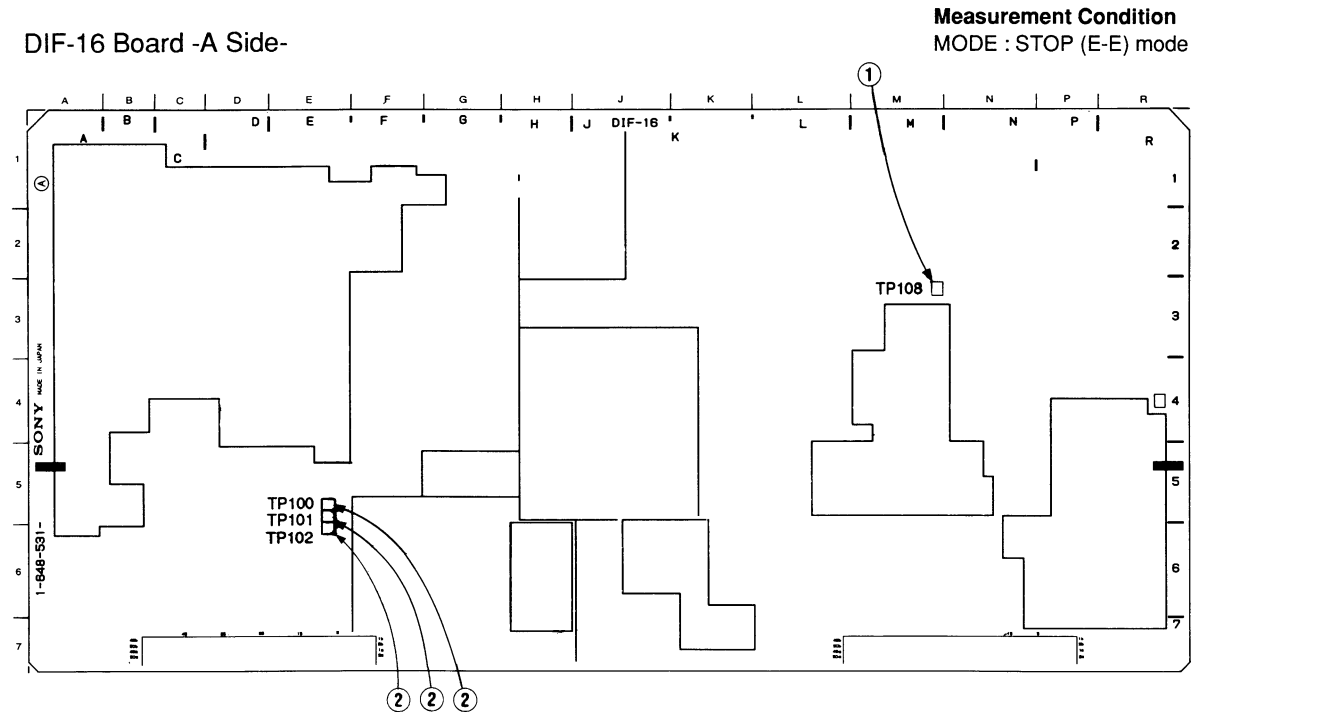
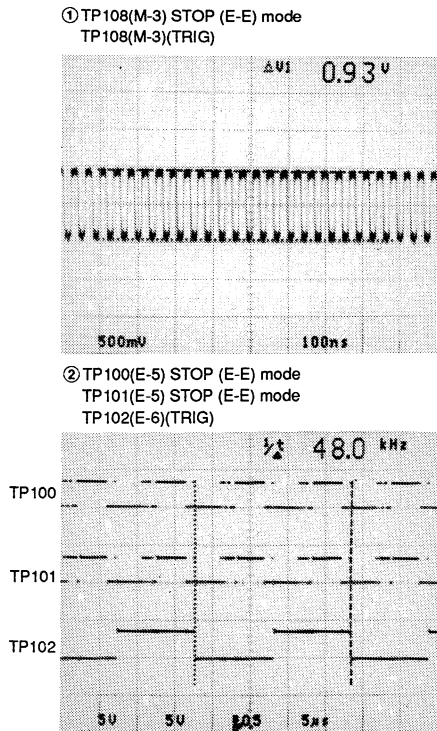


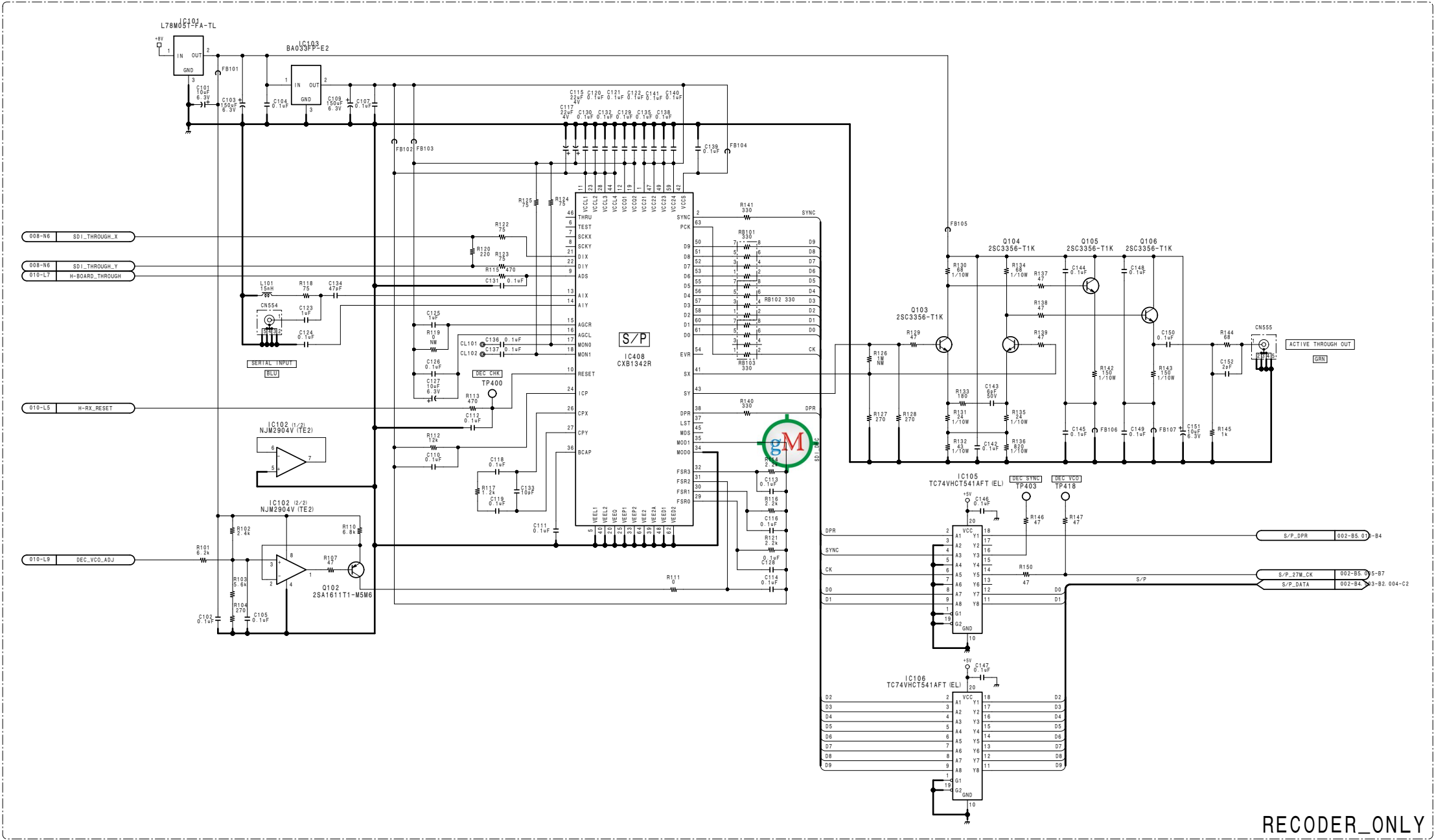
MB-441 BOARD

119-9A	119-9A	NC
119-9B	119-9B	NC
119-10A	119-10A	NC
119-10B	119-10B	NC
119-11A	119-11A	NC
119-11B	119-11B	NC
119-12A	119-12A	NC
119-12B	119-12B	NC
119-13A	119-13A	NC
119-13B	119-13B	NC
119-14A	119-14A	NC
119-14B	119-14B	NC
119-15A	119-15A	NC
119-15B	119-15B	NC
119-16A	119-16A	NC
119-16B	119-16B	NC
119-25A	119-25A	NC
119-25B	119-25B	NC
119-42A	119-42A	NC
119-42B	119-42B	NC
119-43A	119-43A	NC
119-43B	119-43B	NC

120-1A	120-1A	NC
120-1B	120-1B	NC
120-2A	120-2A	NC
120-2B	120-2B	NC
120-3A	120-3A	NC
120-3B	120-3B	NC
120-4A	120-4A	NC
120-4B	120-4B	NC
120-5A	120-5A	NC
120-5B	120-5B	NC
120-6A	120-6A	NC
120-6B	120-6B	NC
120-7A	120-7A	NC
120-7B	120-7B	NC
120-8A	120-8A	NC
120-8B	120-8B	NC
120-9A	120-9A	NC
120-9B	120-9B	NC
120-10A	120-10A	NC
120-10B	120-10B	NC
120-11A	120-11A	NC
120-11B	120-11B	NC
120-12A	120-12A	NC
120-12B	120-12B	NC
120-13A	120-13A	NC
120-13B	120-13B	NC
120-14A	120-14A	NC
120-14B	120-14B	NC
120-15A	120-15A	NC
120-15B	120-15B	NC
120-16A	120-16A	NC
120-16B	120-16B	NC
120-17A	120-17A	NC
120-17B	120-17B	NC
120-18A	120-18A	NC
120-18B	120-18B	NC
120-19A	120-19A	NC
120-19B	120-19B	NC
120-20A	120-20A	NC
120-20B	120-20B	NC
120-21A	120-21A	NC
120-21B	120-21B	NC
120-22A	120-22A	NC
120-22B	120-22B	NC
120-23A	120-23A	NC
120-23B	120-23B	NC
120-24A	120-24A	NC
120-24B	120-24B	NC
120-27A	120-27A	NC
120-27B	120-27B	NC
120-32A	120-32A	NC
120-32B	120-32B	NC





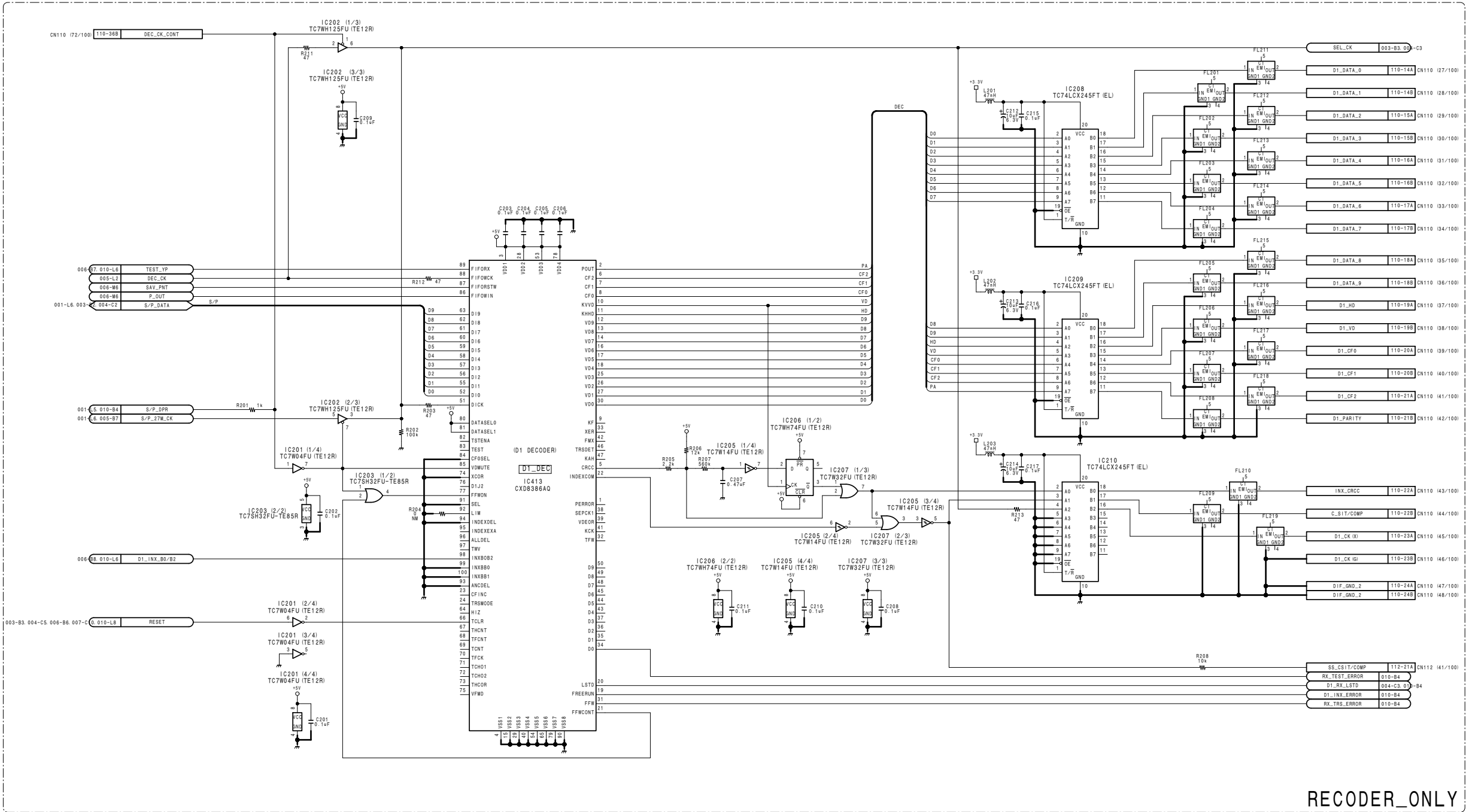


Serial to Parallel Converter of SDI Receiver
DIF-16 BOARD (1/10)

BOARD NO. 1-648-531-16
BOARD'S LOT NO. 907-

DVW-A500 (J, UC) : DIF-16 MCB	DVW-A510 (J, UC) : DIF-16B MCB
DVW-A500P (EK) : DIF-16 MCB	DVW-A510P (EK) : DIF-16B MCB
DVW-A500P (UC) : DIF-16 MCB	DVW-510 (J, UC) : DIF-16B MCB
DVW-500 (J, UC) : DIF-16 MCB	DVW-510P (EK) : DIF-16B MCB
DVW-500P (EK) : DIF-16 MCB	DVW-CA510 (J, UC) : DIF-16B MCB
DVW-500P (UC) : DIF-16 MCB	DVW-CA510P (EK) : DIF-16B MCB

DVW-A500_DIF-16_006_1



D1 Decoder of SDI Receiver
DIF-16 BOARD (2/10)

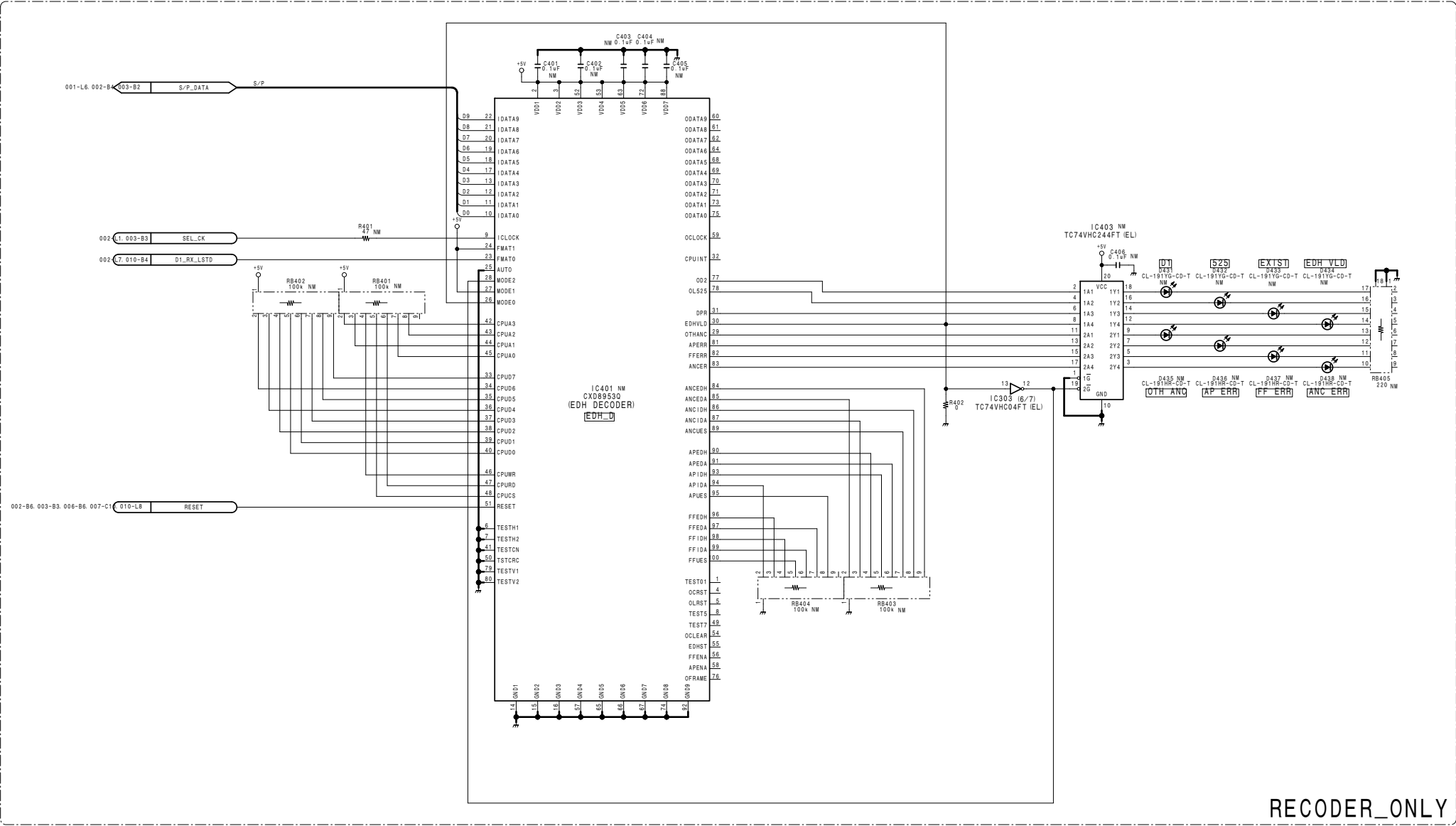
BOARD NO. 1-648-531-16
BOARD'S LOT NO. 907-
DVW-A500 (J, UC) : DIF-16 MCB DVW-A510 (J, UC) : DIF-16B MCB
DVW-A500P (EK) : DIF-16 MCB DVW-A510P (EK) : DIF-16B MCB
DVW-A500P (UC) : DIF-16 MCB DVW-510 (J, UC) : DIF-16B MCB
DVW-500 (J, UC) : DIF-16 MCB DVW-510P (EK) : DIF-16B MCB
DVW-500P (EK) : DIF-16 MCB DVW-CA510 (J, UC) : DIF-16B MCB
DVW-500P (UC) : DIF-16 MCB DVW-CA510P (EK) : DIF-16B MCB
DVW-A500_DIF-16_006_2



Audio Timebase Expansion for SDI Receiver

DIF-16 BOARD (3/10)

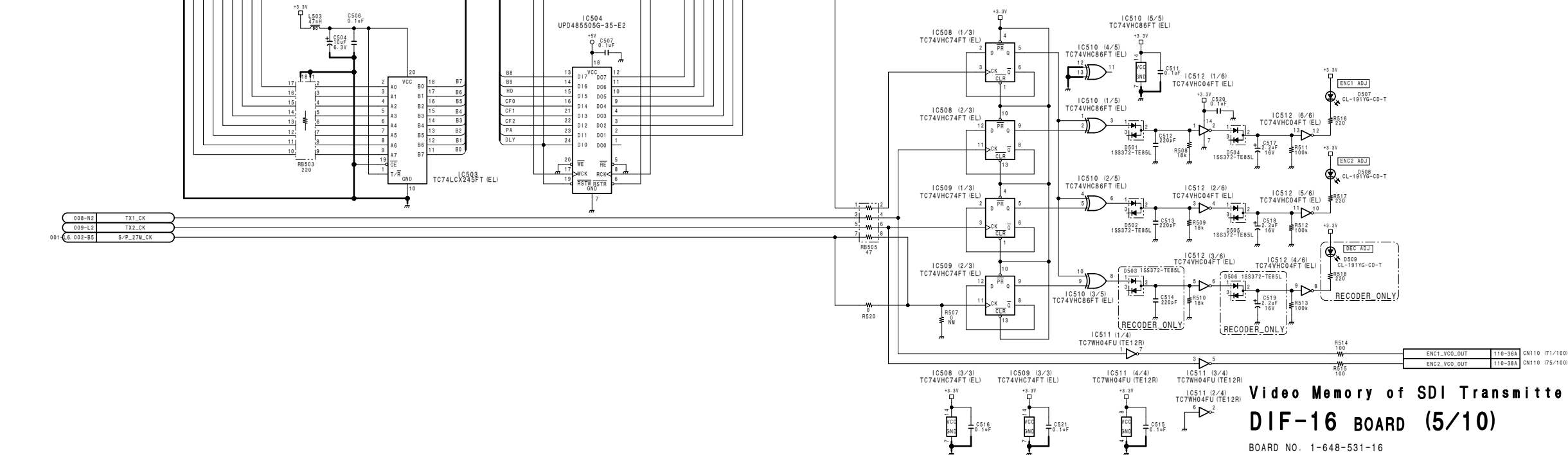
BOARD NO. 1-648-531-16
BOARD'S LOT NO. 907-
DVW-A500 (J. UC) :DIF-16 MCB DVW-A510 (J. UC) :DIF-16B MCB
DVW-A500P (EK) :DIF-16 MCB DVW-A510P (EK) :DIF-16B MCB
DVW-A500P (UC) :DIF-16 MCB DVW-510 (J. UC) :DIF-16B MCB
DVW-500 (J. UC) :DIF-16 MCB DVW-510P (EK) :DIF-16B MCB
DVW-500P (EK) :DIF-16 MCB DVW-CA510 (J. UC) :DIF-16B MCB
DVW-500P (UC) :DIF-16 MCB DVW-CA510P (EK) :DIF-16B MCB
DVW-A500_DIF-16_006_3



RECORDER_ONLY

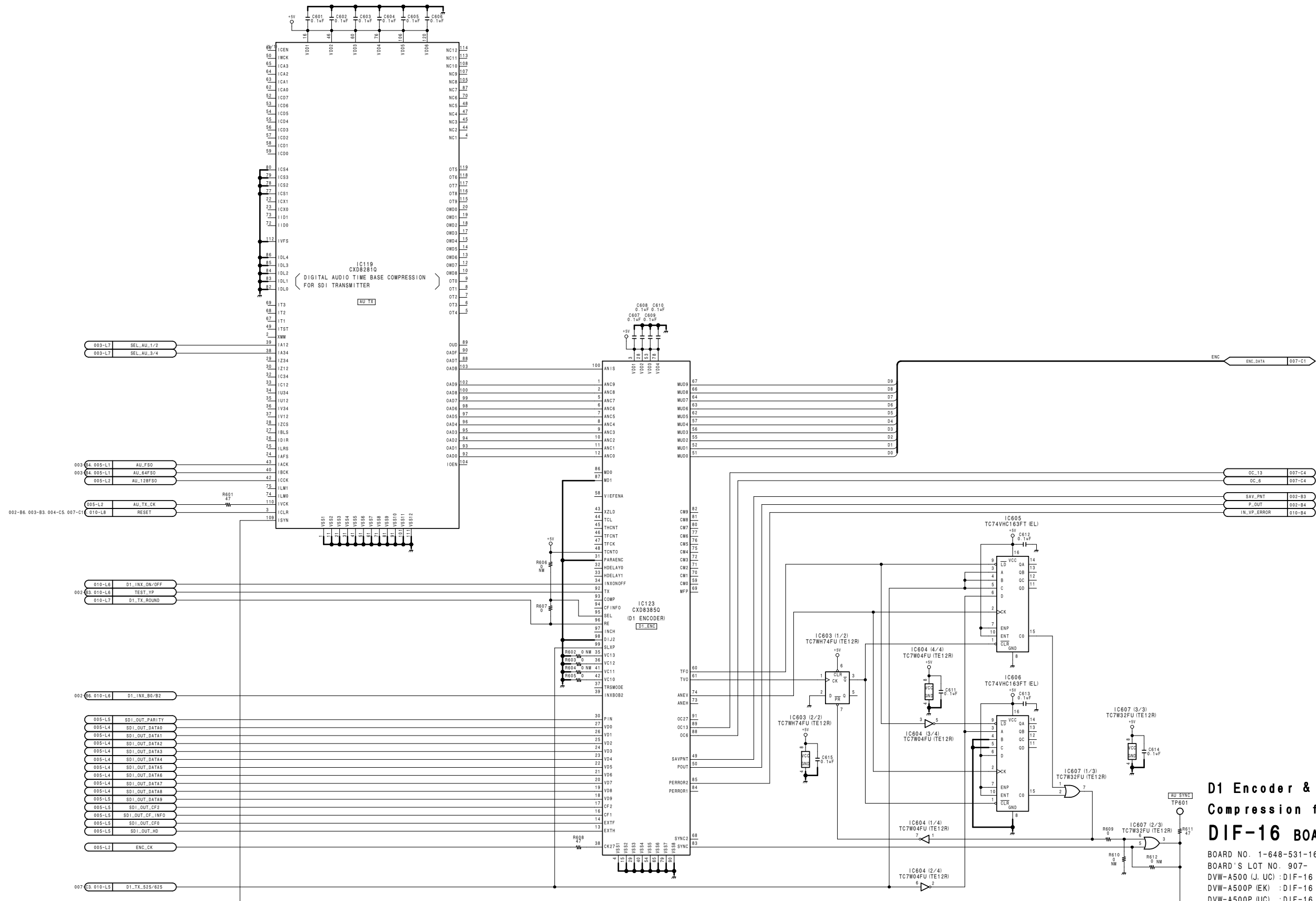
EDH Decoder of SDI Receiver
DIF-16 BOARD (4/10)

BOARD NO. 1-648-531-16
BOARD'S LOT NO. 907-
DVW-A500 (J, UC) : DIF-16 MCB DVW-A510 (J, UC) : DIF-16B MCB
DVW-A500P (EK) : DIF-16 MCB DVW-A510P (EK) : DIF-16B MCB
DVW-A500P (UC) : DIF-16 MCB DVW-510 (J, UC) : DIF-16B MCB
DVW-500 (J, UC) : DIF-16 MCB DVW-510P (EK) : DIF-16B MCB
DVW-500P (EK) : DIF-16 MCB DVW-CA510 (J, UC) : DIF-16B MCB
DVW-500P (UC) : DIF-16 MCB DVW-CA510P (EK) : DIF-16B MCB
DVW-A500_DIF-16_006_4



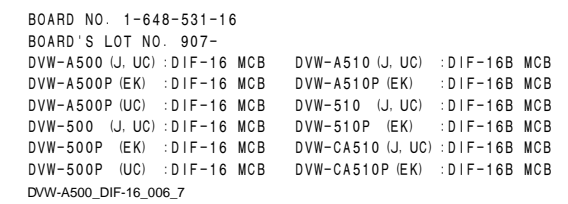
DVW-A500 (J, UC) :DIF-16 MCB	DVW-A510 (J, UC) :DIF-16B MCB
DVW-A500P (EK) :DIF-16 MCB	DVW-A510P (EK) :DIF-16B MCB
DVW-A500P (UC) :DIF-16 MCB	DVW-510 (J, UC) :DIF-16B MCB
DVW-500 (J, UC) :DIF-16 MCB	DVW-510P (EK) :DIF-16B MCB
DVW-500P (EK) :DIF-16 MCB	DVW-CA510 (J, UC) :DIF-16B MCB
DVW-500P (UC) :DIF-16 MCB	DVW-CA510P (EK) :DIF-16B MCB

DVW-A500_DIF-16_006_5



D1 Encoder & Audio Timebase
Compression for SDI Transmitter
DIF-16 BOARD (6/10)

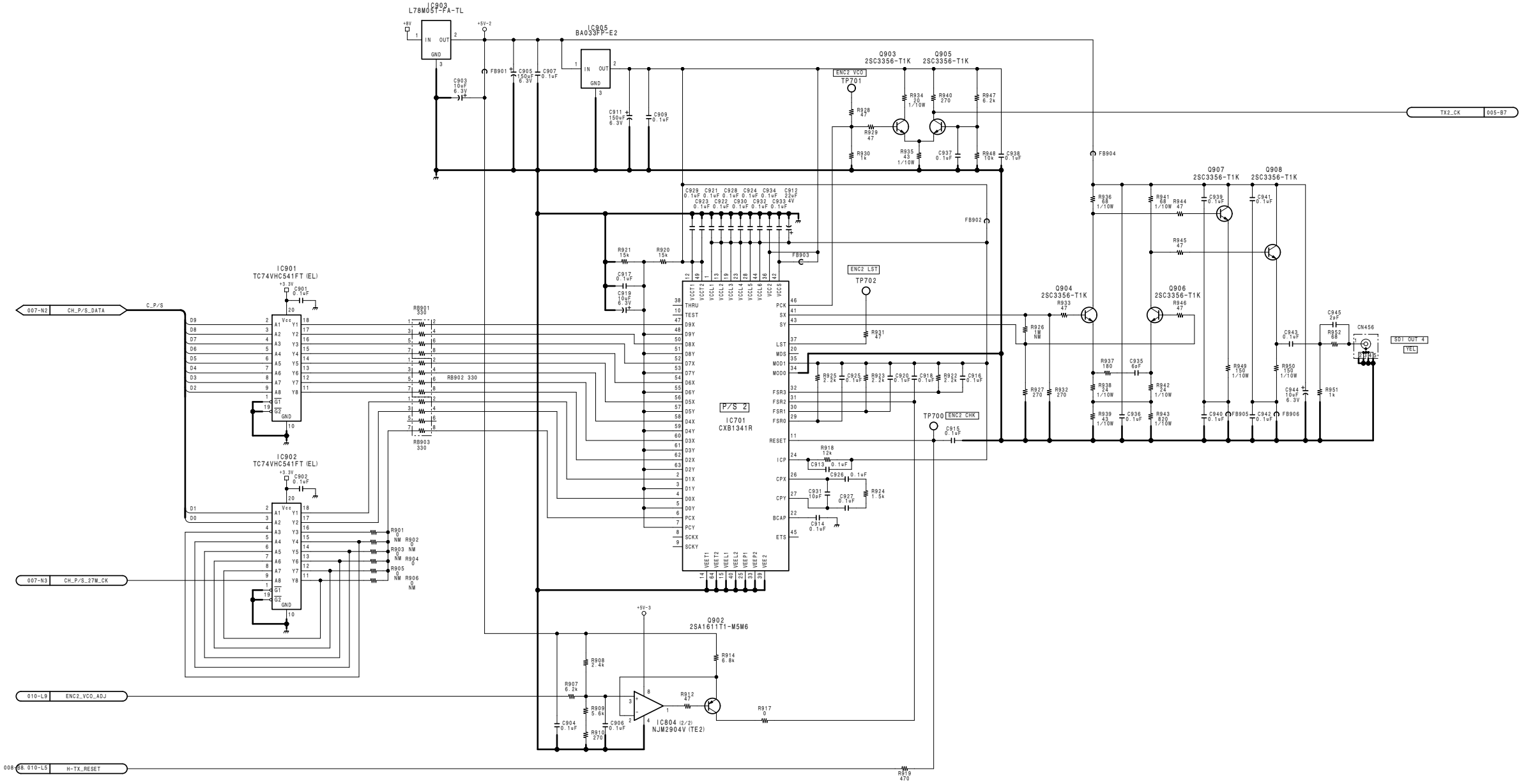
BOARD NO. 1-648-531-16
BOARD'S LOT NO. 907-
DVW-A500 (J, UC) : DIF-16 MCB DVW-A510 (J, UC) : DIF-16B MCB
DVW-A500P (EK) : DIF-16 MCB DVW-A510P (EK) : DIF-16B MCB
DVW-A500P (UC) : DIF-16 MCB DVW-510 (J, UC) : DIF-16B MCB
DVW-500 (J, UC) : DIF-16 MCB DVW-510P (EK) : DIF-16B MCB
DVW-500P (EK) : DIF-16 MCB DVW-CA510 (J, UC) : DIF-16B MCB
DVW-500P (UC) : DIF-16 MCB DVW-CA510P (EK) : DIF-16B MCB
DVW-A500_DIF-16_006_6





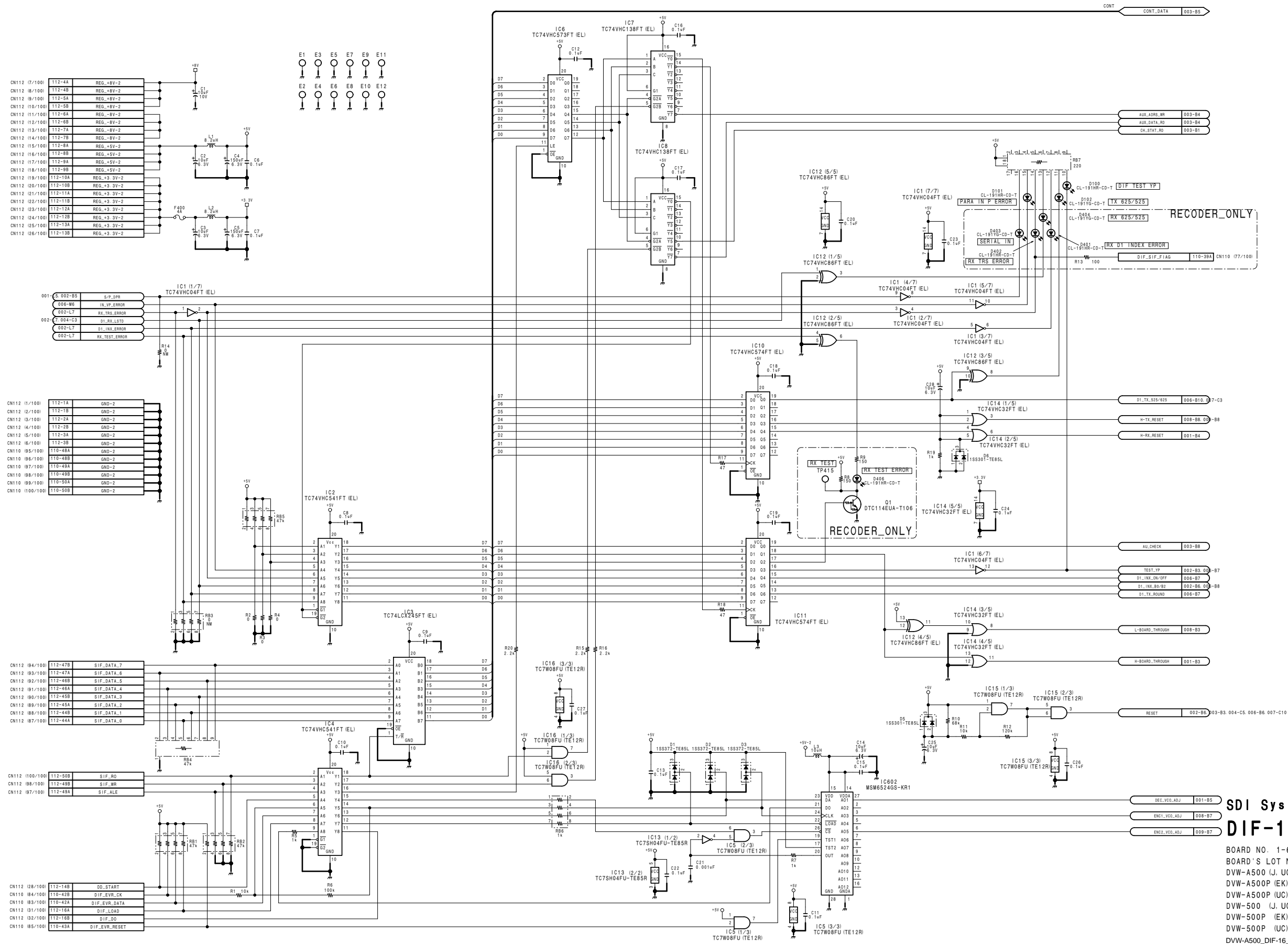
DVW-A500 (J. UC) : DIF-16 MCB DVW-A510 (J. UC) : DIF-16B MCB
 DVW-A500P (EK) : DIF-16 MCB DVW-A510P (EK) : DIF-16B MCB
 DVW-A500P (UC) : DIF-16 MCB DVW-510 (J. UC) : DIF-16B MCB
 DVW-500 (J. UC) : DIF-16 MCB DVW-510P (EK) : DIF-16B MCB
 DVW-500P (EK) : DIF-16 MCB DVW-CA510 (J. UC) : DIF-16B MCB
 DVW-500P (UC) : DIF-16 MCB DVW-CA510P (EK) : DIF-16B MCB

DVW-A500_DIF-16_006_8



Parallel to Serial Converter with
Superimpose of SDI Transmitter
DIF-16 BOARD (9/10)

BOARD NO. 1-648-531-16
BOARD'S LOT NO. 907-
DVW-A500 (J, UC) : DIF-16 MCB DVW-A510 (J, UC) : DIF-16B MCB
DVW-A500P (EK) : DIF-16 MCB DVW-A510P (EK) : DIF-16B MCB
DVW-A500P (UC) : DIF-16 MCB DVW-510 (J, UC) : DIF-16B MCB
DVW-500 (J, UC) : DIF-16 MCB DVW-510P (EK) : DIF-16B MCB
DVW-500P (EK) : DIF-16 MCB DVW-CA510 (J, UC) : DIF-16B MCB
DVW-500P (UC) : DIF-16 MCB DVW-CA510P (EK) : DIF-16B MCB
DVW-A500_DIF-16_006_9

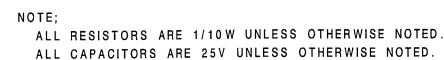


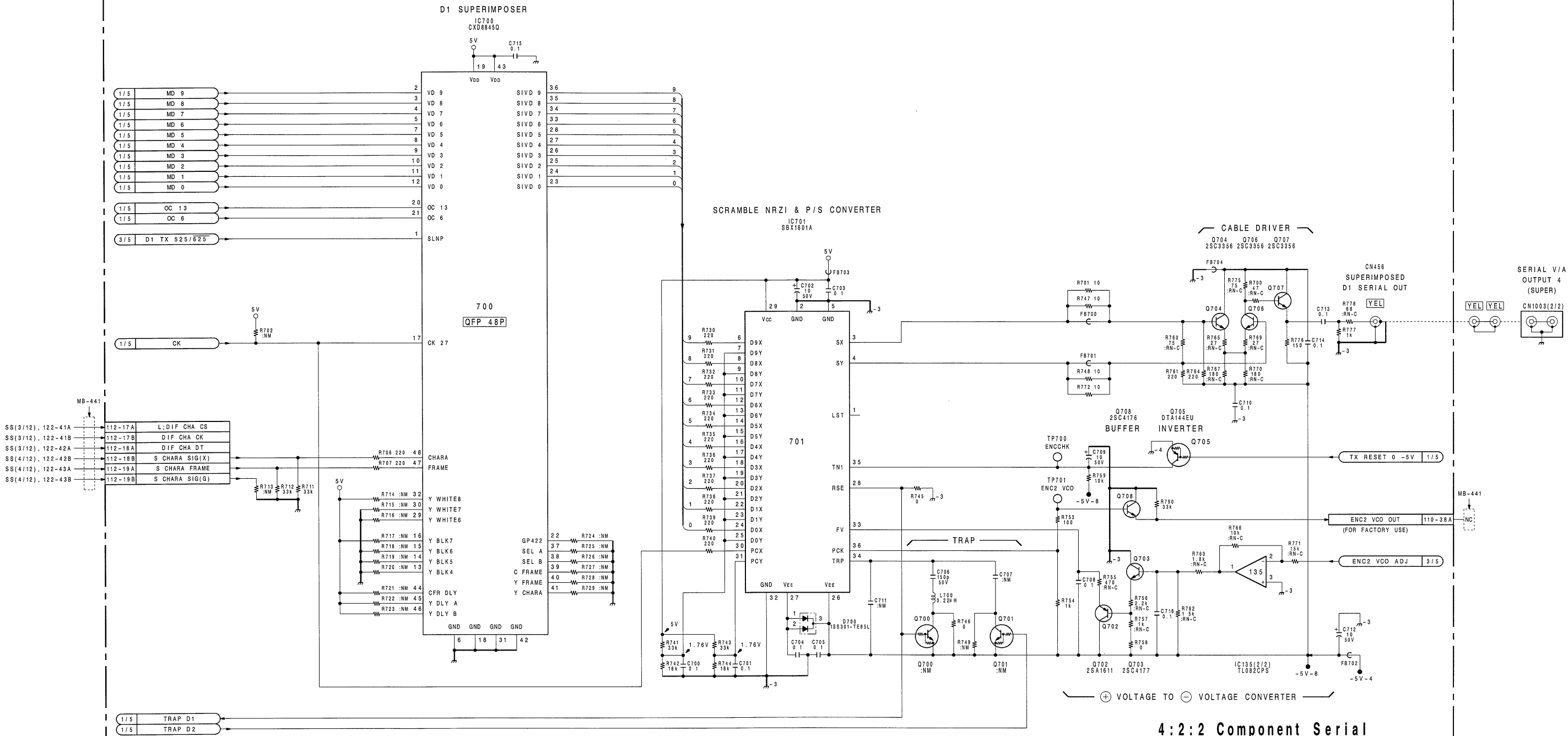
SDI System Control DIF-16 BOARD (10/10)

BOARD NO. 1-648-531-16

BOARD'S LOT NO. 907-

DVW-A500 (J, UC) : DIF-16 MCB	DVW-A510 (J, UC) : DIF-16B MCB
DVW-A500P (EK) : DIF-16 MCB	DVW-A510P (EK) : DIF-16B MCB
DVW-A500P (UC) : DIF-16 MCB	DVW-510 (J, UC) : DIF-16B MCB
DVW-500 (J, UC) : DIF-16 MCB	DVW-510P (EK) : DIF-16B MCB
DVW-500P (EK) : DIF-16 MCB	DVW-CA510 (J, UC) : DIF-16B MCB
DVW-500P (UC) : DIF-16 MCB	DVW-CA510P (EK) : DIF-16B MCB
DVW-A500_DIF-16_006_10	



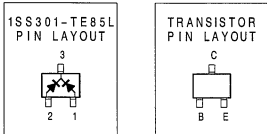


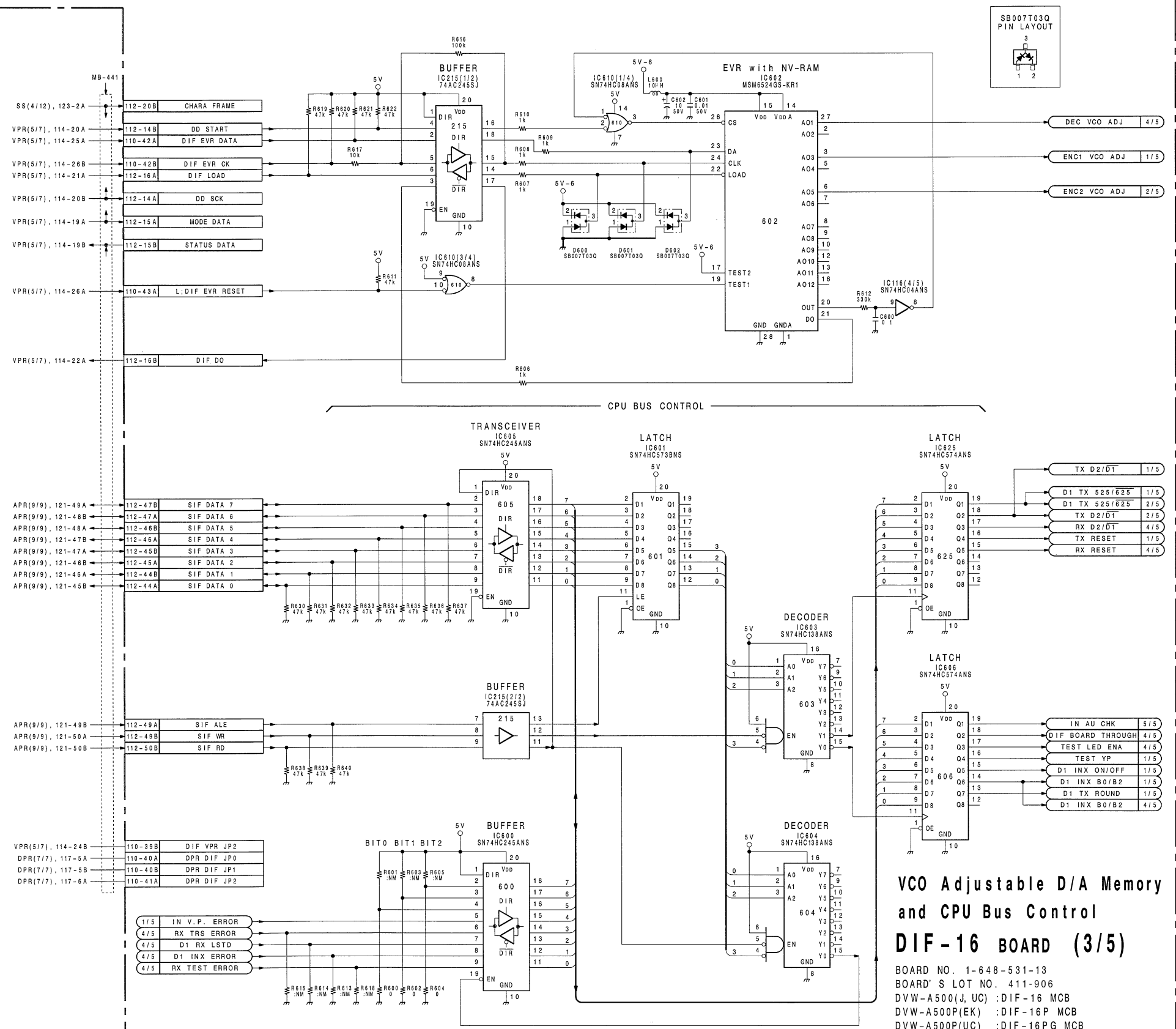
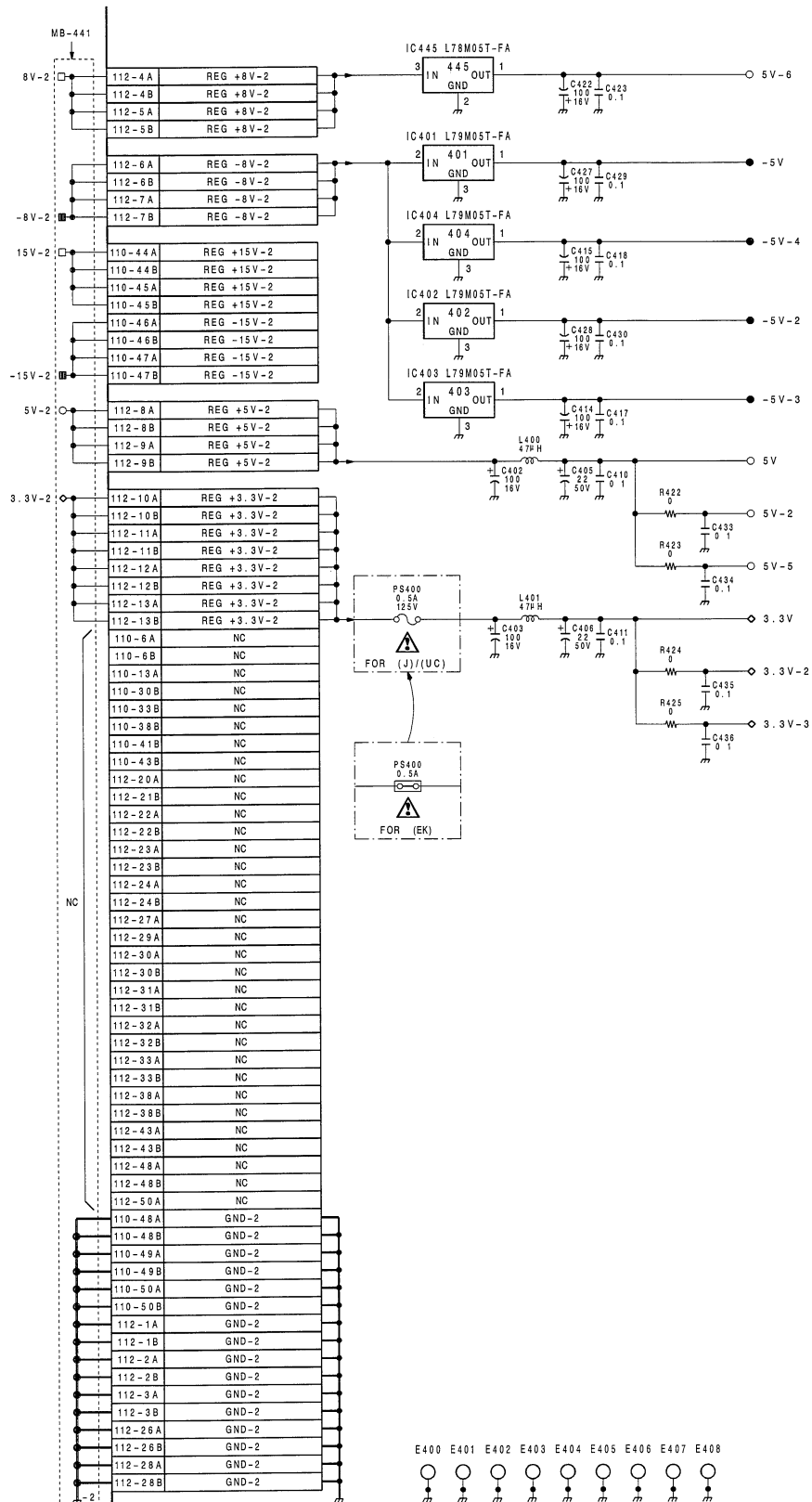
4:2:2 Component Serial
Digital Interface Transmitter
with Superimposer
DIF-16 BOARD (2/5)

BOARD NO. 1-648-531-13
BOARD'S LOT NO. 411-906
DVW-A500(J, UC) : DIF-16 MCB
DVW-A500P(EK) : DIF-16P MCB
DVW-A500P(UC) : DIF-16PG MCB
DVW-500 (J, UC) : DIF-16 MCB
DVW-500P (EK) : DIF-16P MCB
DVW-500P (UC) : DIF-16PG MCB

DVW-DIF16-ALL-REC-S/M-04-B

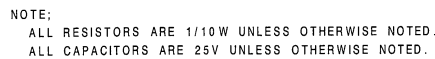
NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

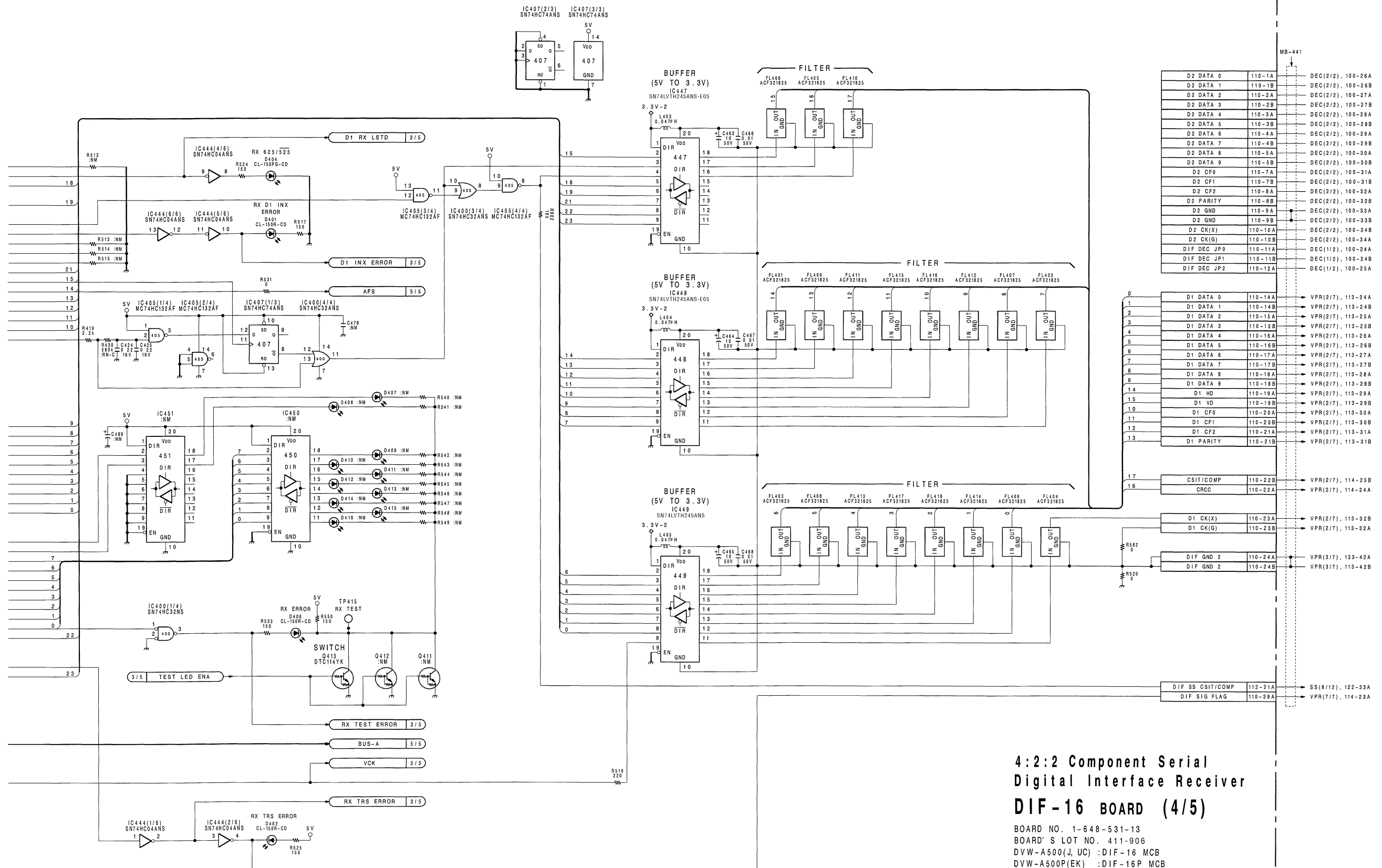




VCO Adjustable D/A Memory
and CPU Bus Control
DIF-16 BOARD (3/5)

BOARD NO. 1-648-531-13
BOARD'S LOT NO. 411-906
DVW-A500(J, UC) : DIF-16 MCB
DVW-A500P(EK) : DIF-16P MCB
DVW-A500P(UC) : DIF-16PG MCB
DVW-500 (J, UC) : DIF-16 MCB
DVW-500P (EK) : DIF-16P MCB
DVW-500P (UC) : DIF-16PG MCB
[DVW-DIF16-ALL-REC-S/M-04-B]

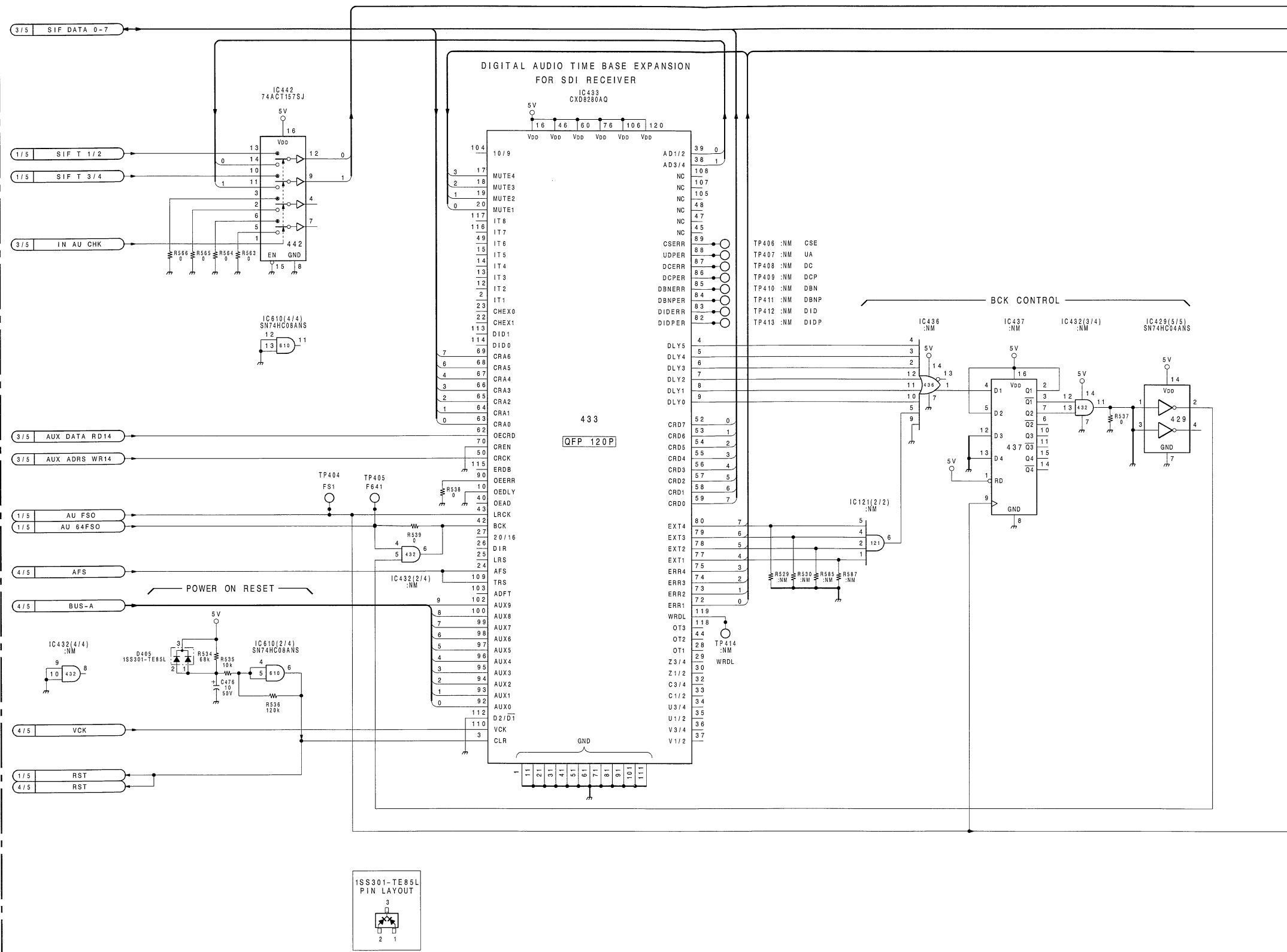


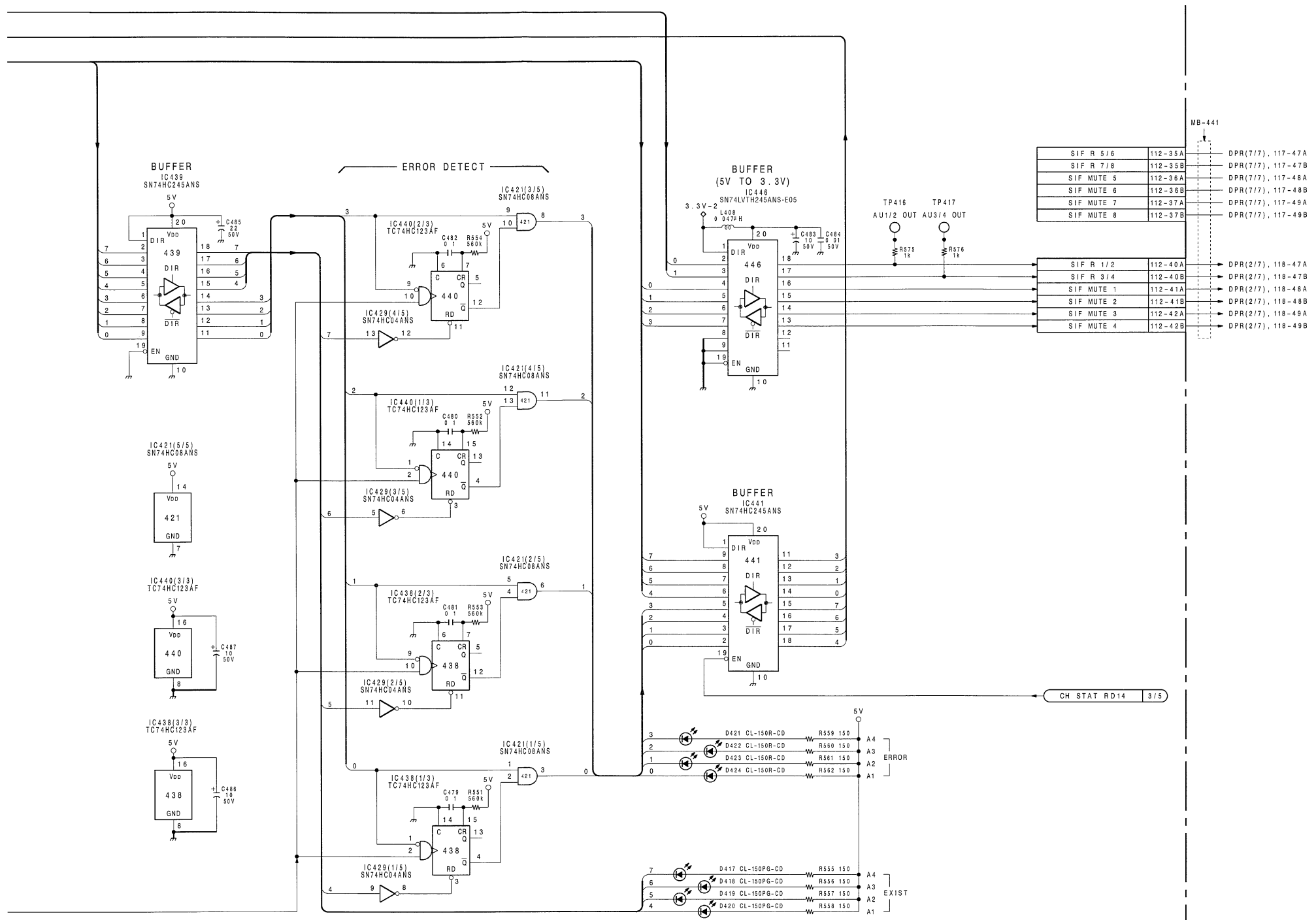


4:2:2 Component Serial
Digital Interface Receiver
DIF-16 BOARD (4/5)

BOARD NO. 1-648-531-13
BOARD' S LOT NO. 411-906
DVW-A500(J,UC) :DIF-16 MCB
DVW-A500P(EK) :DIF-16P MCB
DVW-A500P(UC) :DIF-16PG MCB
DVW-500 (J,UC) :DIF-16 MCB
DVW-500P (EK) :DIF-16P MCB
DVW-500P (UC) :DIF-16PG MCB

DVW-DIF16-ALL-REC-S/M-04-B





Digital Audio Timebase Expansion
for 4:2:2 Component Serial
Digital Interface Receiver
DIF-16 BOARD (5/5)

BOARD NO. 1-648-531-13
BOARD'S LOT NO. 411-906
DVW-A500(J, UC) :DIF-16 MCB
DVW-A500P(EK) :DIF-16P MCB
DVW-A500P(UC) :DIF-16PG MCB
DVW-500 (J, UC) :DIF-16 MCB
DVW-500P (EK) :DIF-16P MCB
DVW-500P (UC) :DIF-16PG MCB
DVW-DIF16-ALL-REC-S/M-04-B

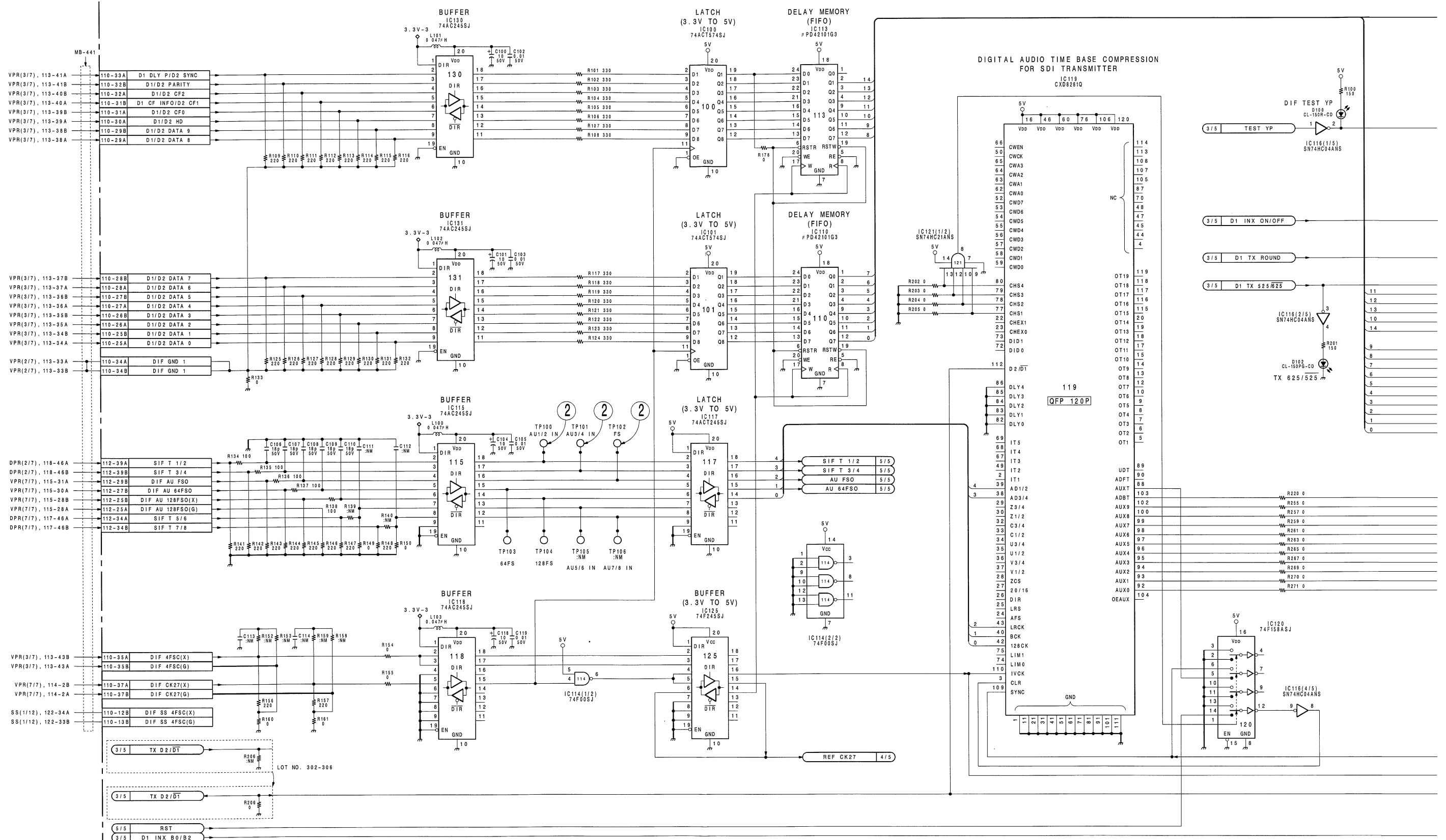
1

2

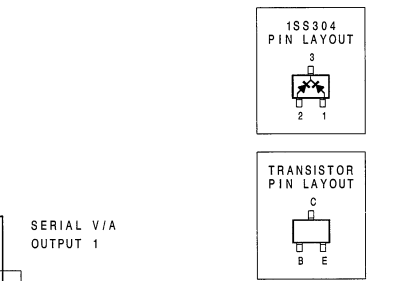
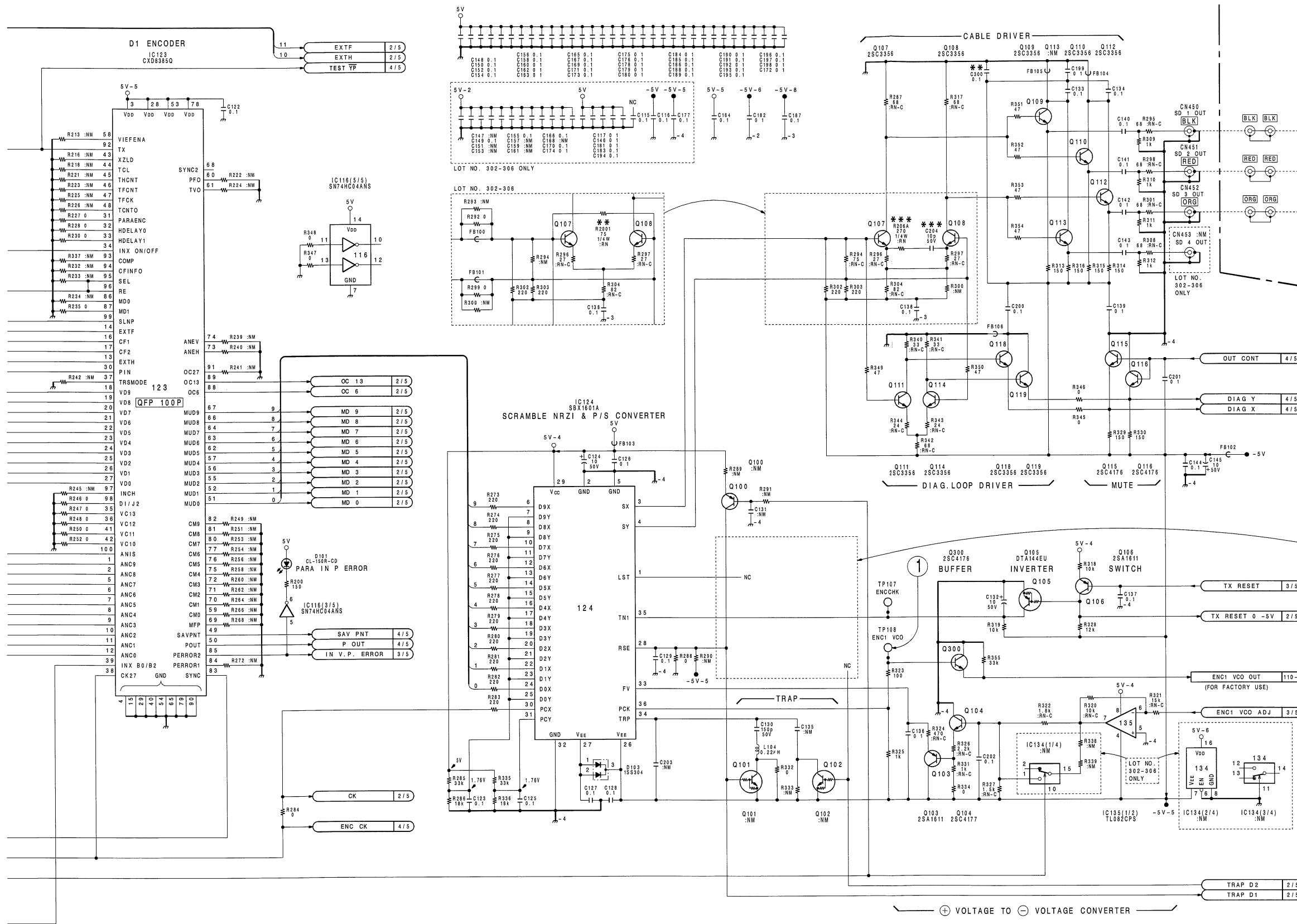
3

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5



NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.



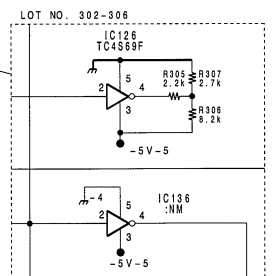
The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit board(of the following board No.) with silk screen.

DIF-16 BOARD :1-648-531-11

The Ref.Nos.marked with *** are not printed on the printed circuit board(of the following board No.) with silk screen.

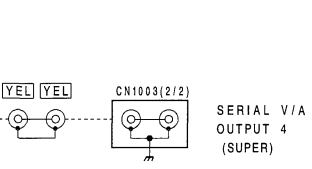
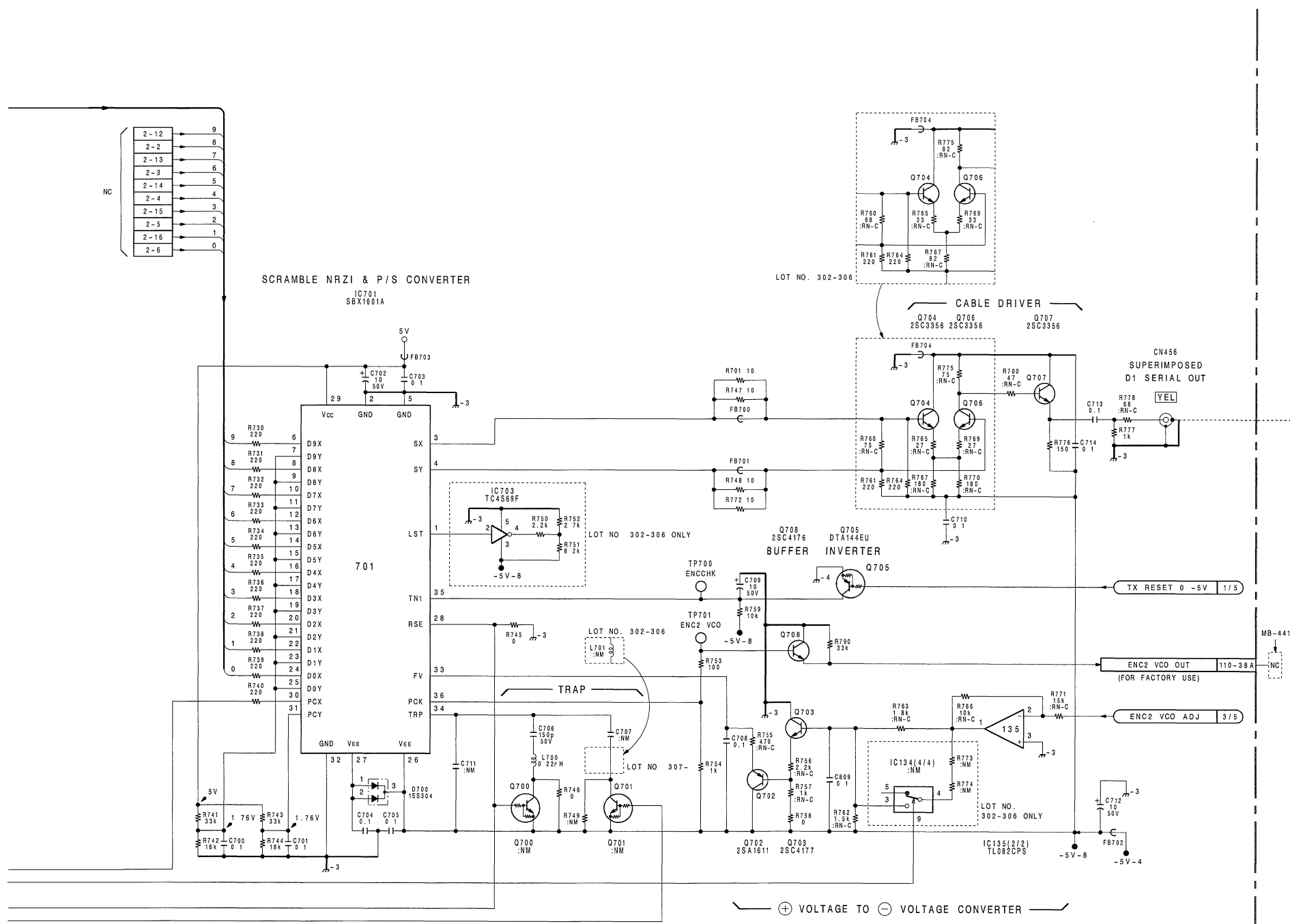
DIF-16 BOARD :1-648-531-12

LOT NO.	BOARD NO.
302-306	1-648-531-11
307-410	1-648-531-12



4:2:2 Component Serial Digital Interface Transmitter DIF-16 BOARD (1/5)

BOARD NO. 1-648-531-11, 12
 BOARD'S LOT NO. 302-410
 DVW-A500(J, UC) :DIF-16 MCB
 DVW-A500P(EK) :DIF-16P MCB
 DVW-A500P(UC) :DIF-16PG MCB
 DVW-500 (J, UC) :DIF-16 MCB
 DVW-500P (EK) :DIF-16P MCB
 DVW-500P (UC) :DIF-16PG MCB
 [DVW-DIF16-ALL-REC-S/M-04-A]



LOT NO.	BOARD NO.
302-306	1-648-531-11
307-410	1-648-531-12

4:2:2 Component Serial
Digital Interface Transmitter
with Superimposer
DIF-16 BOARD (2/5)

BOARD NO. 1-648-531-11, 12
BOARD'S LOT NO. 302-410
DVW-A500(J, UC) :DIF-16 MCB
DVW-A500P(EK) :DIF-16P MCB
DVW-A500P(UC) :DIF-16PG MCB
DVW-500 (J, UC) :DIF-16 MCB
DVW-500P (EK) :DIF-16P MCB
DVW-500P (UC) :DIF-16PG MCB

DVW-DIF16-ALL-REC-S/M-04-A

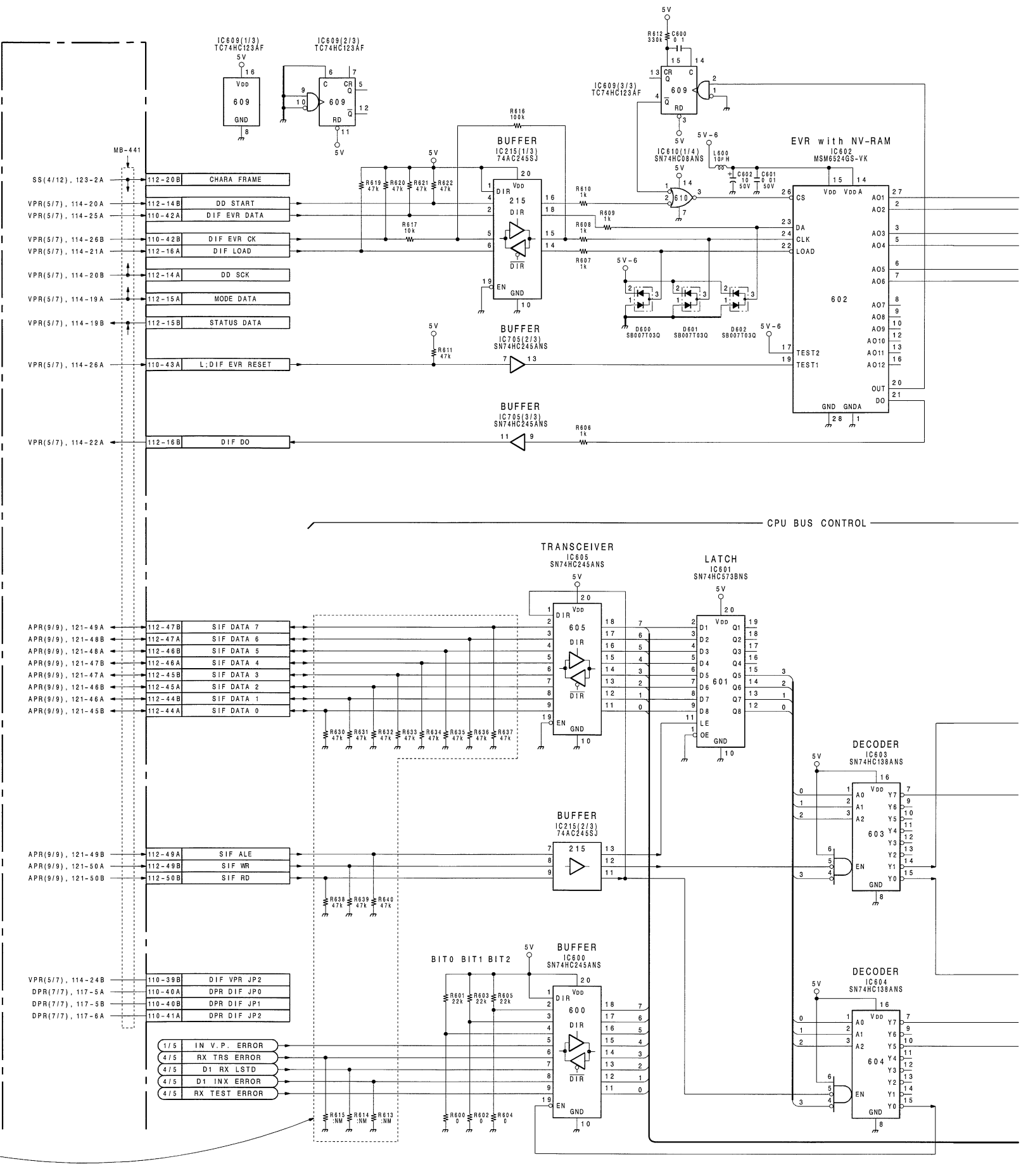
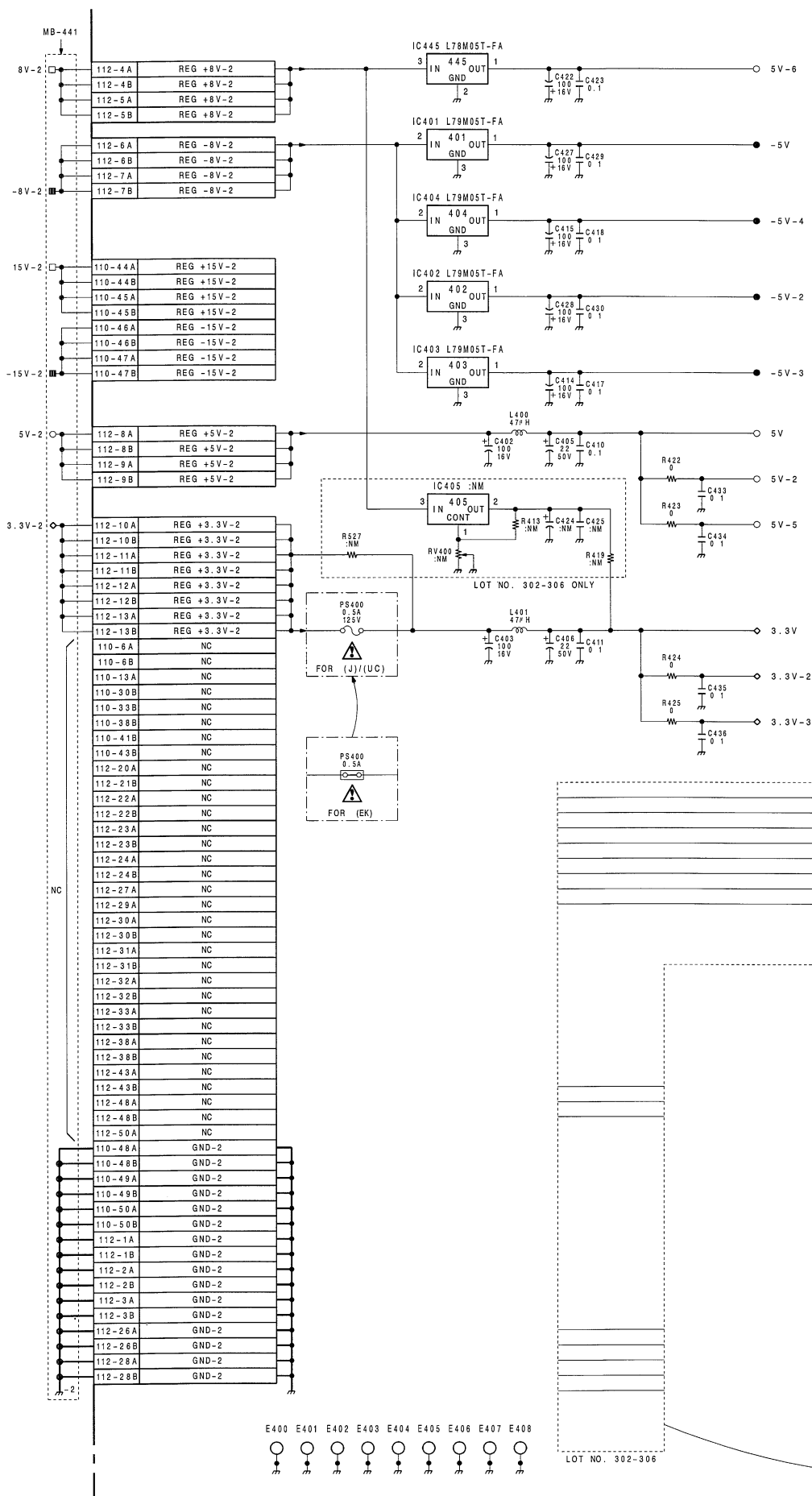
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2

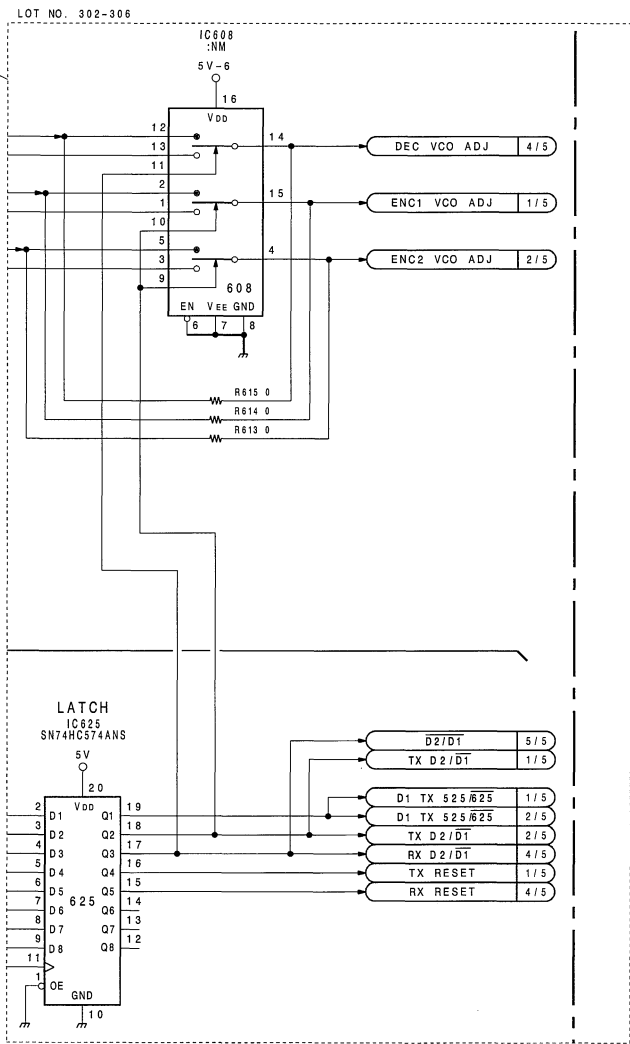
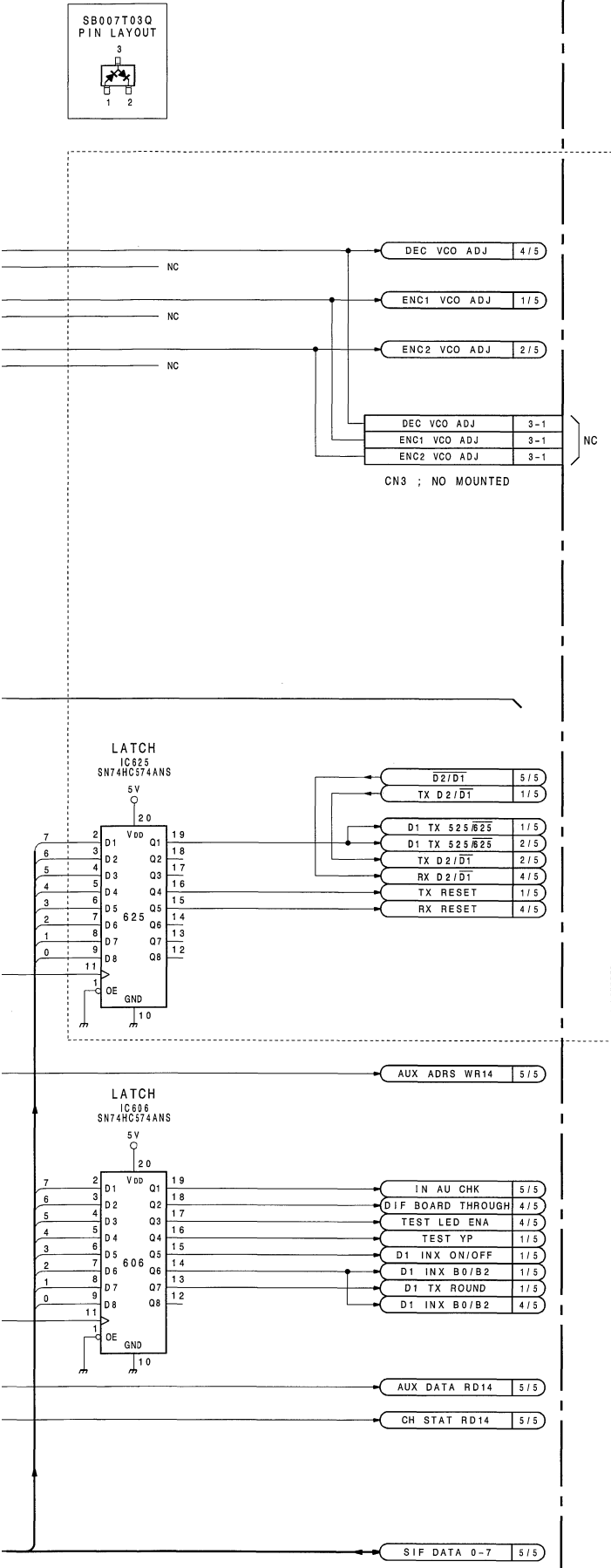
3

4

5



1-44 (a) 1-44 (a)



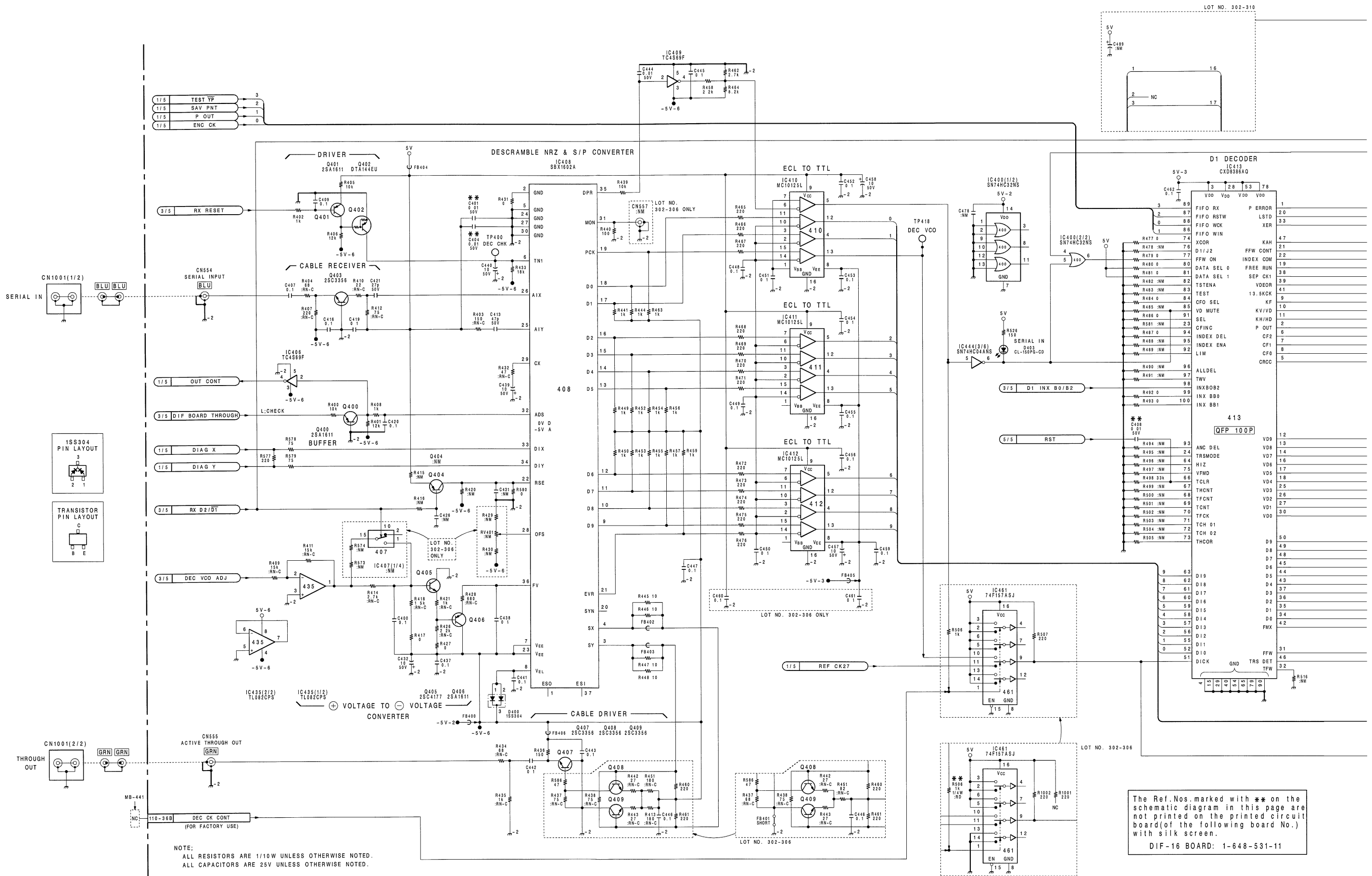
NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

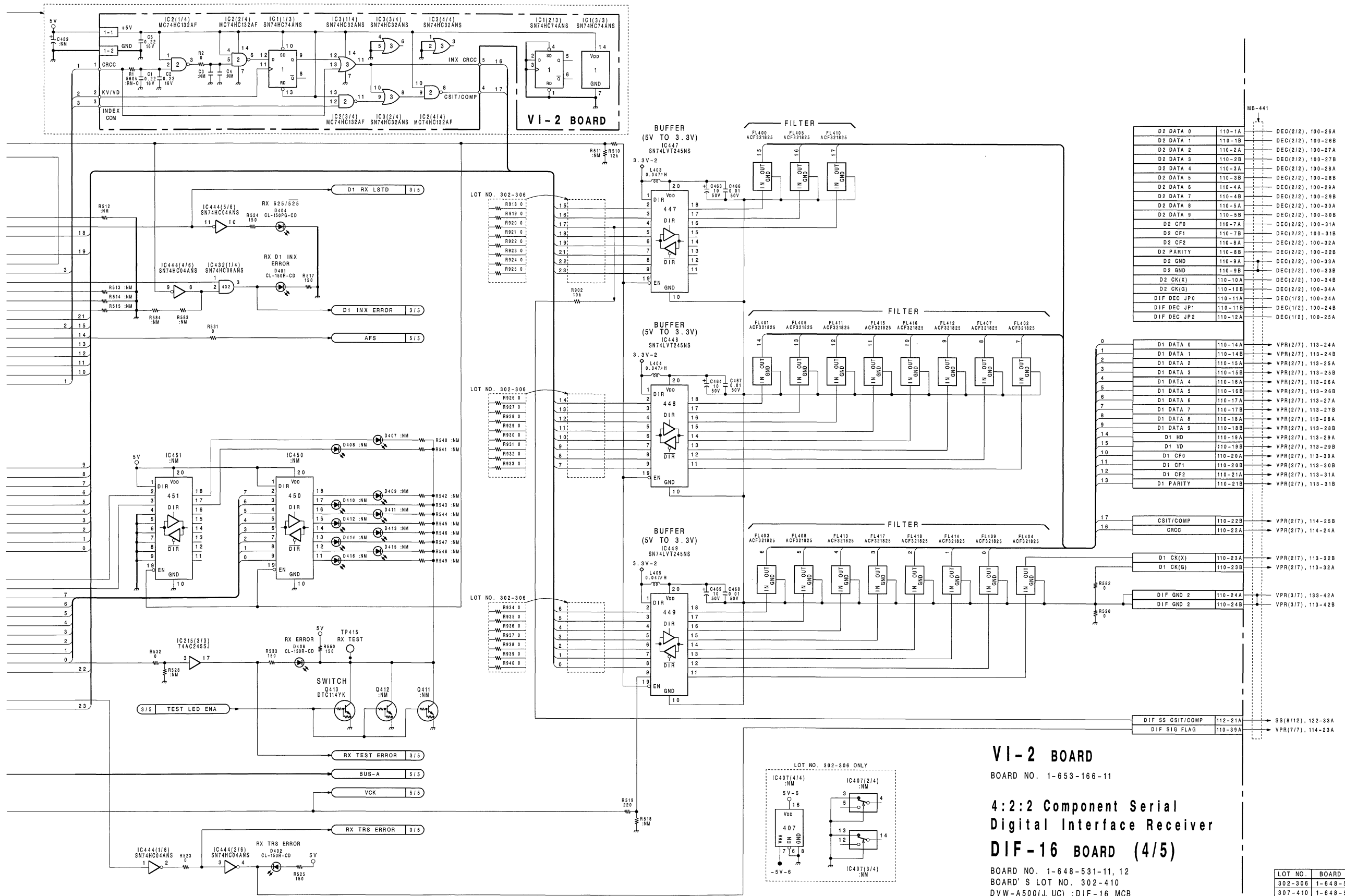
LOT NO.	BOARD NO.
302-306	1-648-531-11
307-410	1-648-531-12

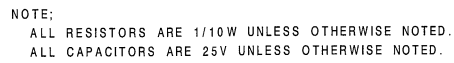
VCO Adjustable D/A Memory
and CPU Bus Control
DIF-16 BOARD (3/5)

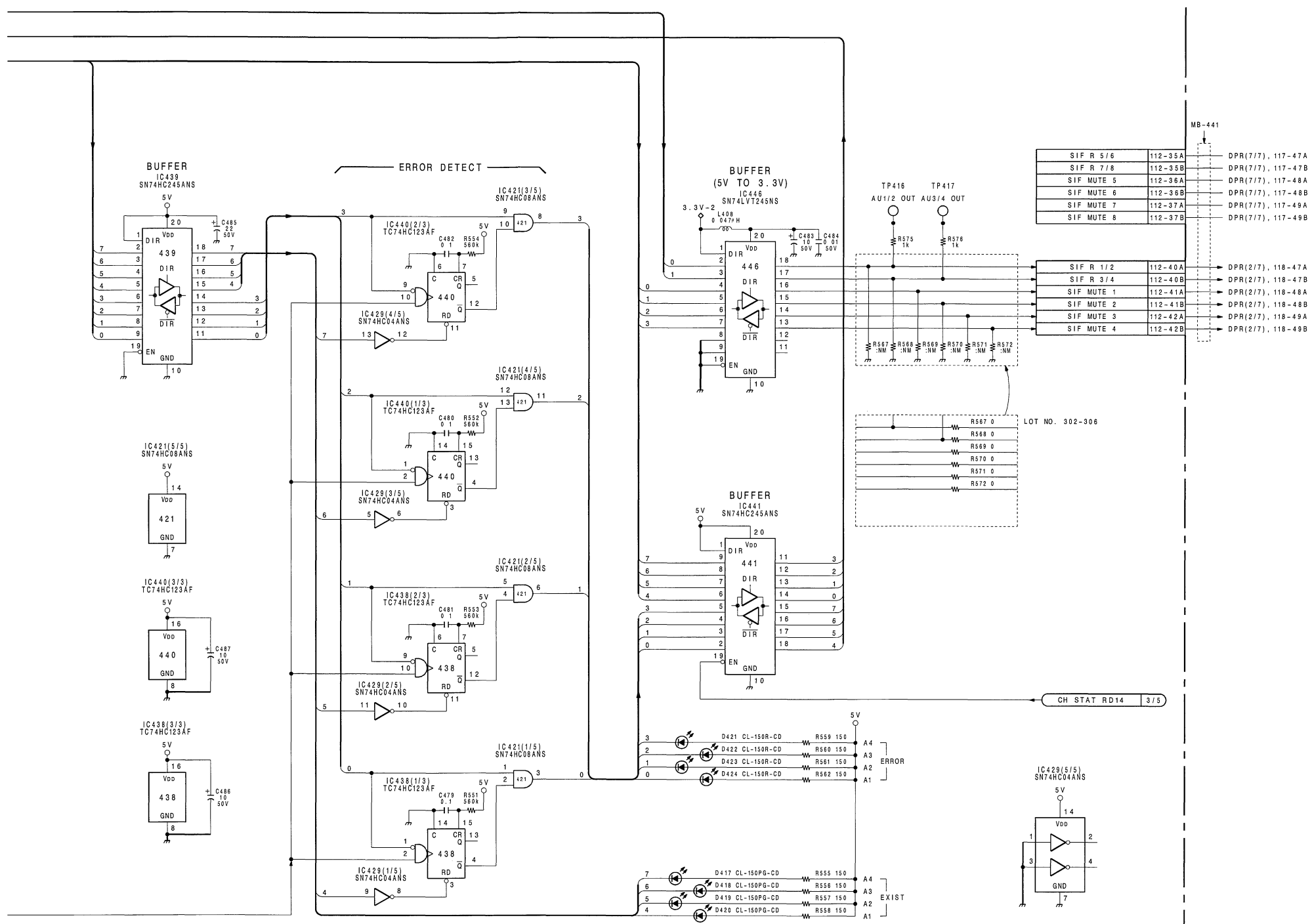
BOARD NO. 1-648-531-11, 12
BOARD'S LOT NO. 302-410
DVW-A500(J, UC) : DIF-16 MCB
DVW-A500P(EK) : DIF-16P MCB
DVW-A500P(UC) : DIF-16PG MCB
DVW-500 (J, UC) : DIF-16 MCB
DVW-500P (EK) : DIF-16P MCB
DVW-500P (UC) : DIF-16PG MCB

DVW-DIF16-ALL-REC-S/M-04-A









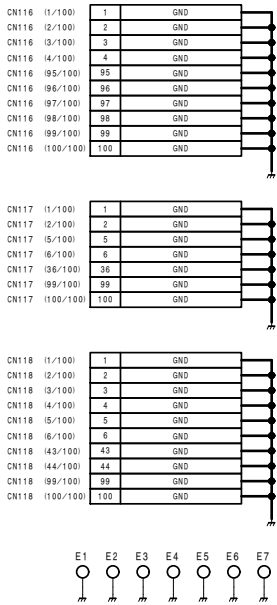
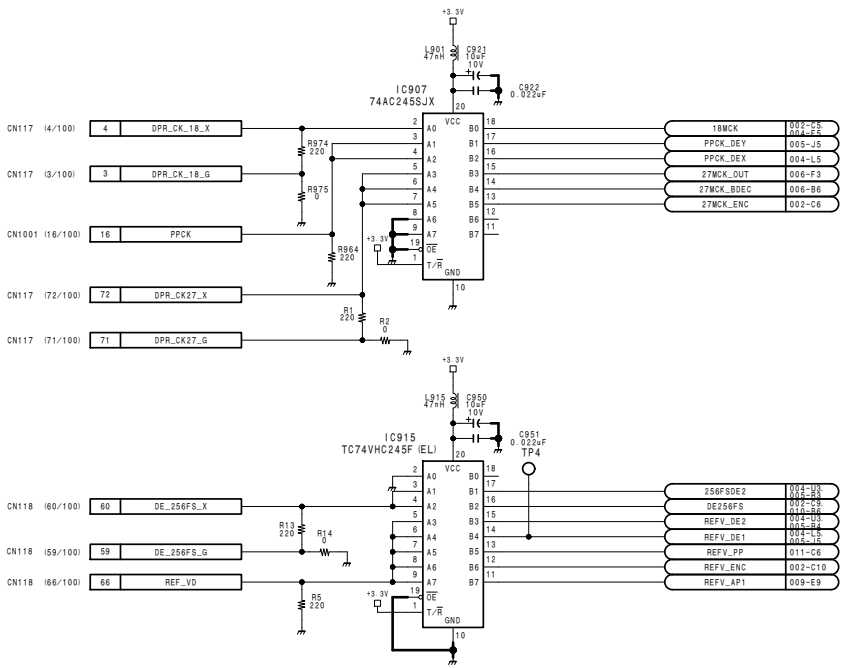
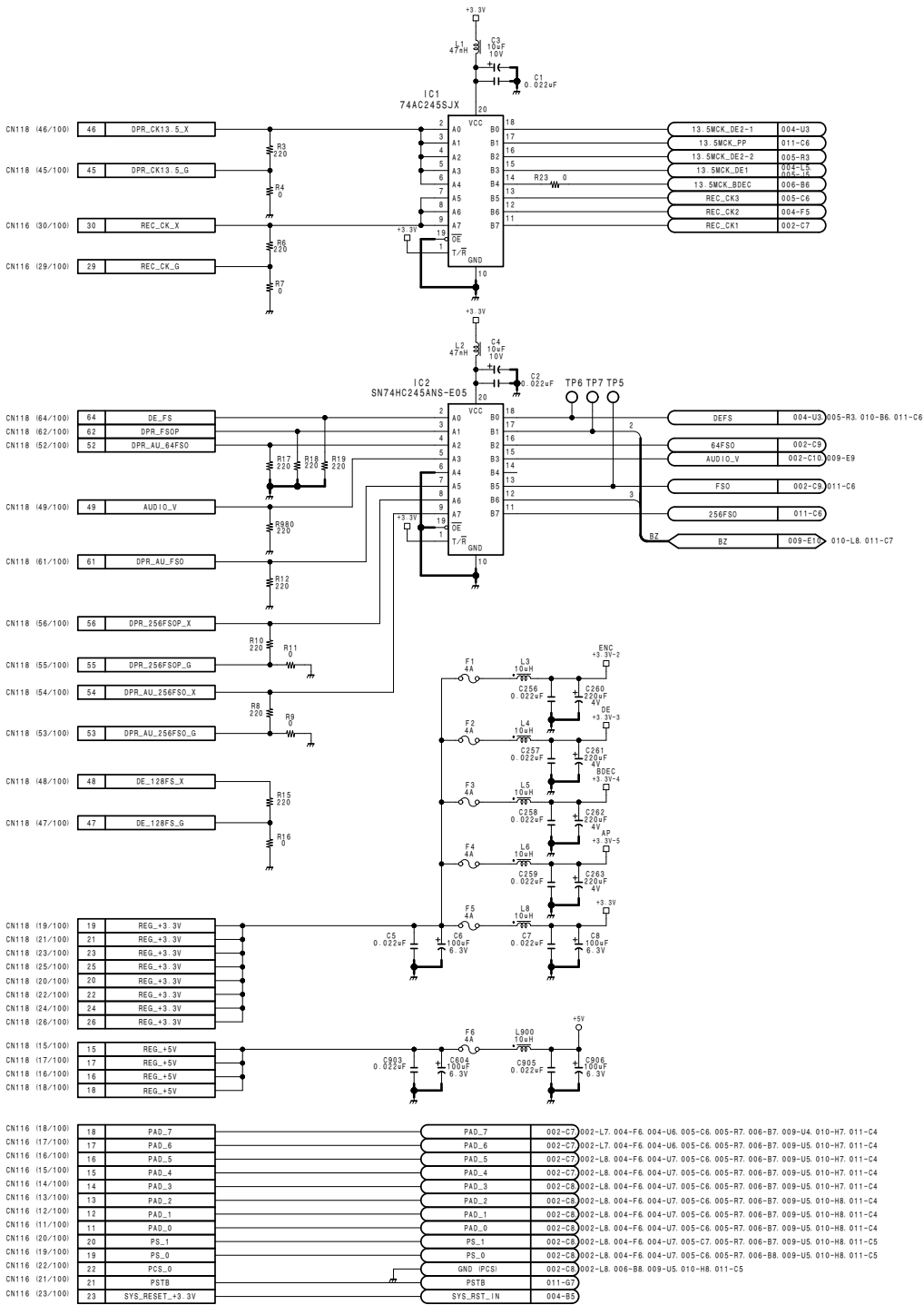
SIF R 5/6	112-35A	DPR(7/7), 117-47A
SIF R 7/8	112-35B	DPR(7/7), 117-47B
SIF MUTE 5	112-36A	DPR(7/7), 117-48A
SIF MUTE 6	112-36B	DPR(7/7), 117-48B
SIF MUTE 7	112-37A	DPR(7/7), 117-49A
SIF MUTE 8	112-37B	DPR(7/7), 117-49B

SIF R 1/2	112-40A	DPR(2/7), 118-47A
SIF R 3/4	112-40B	DPR(2/7), 118-47B
SIF MUTE 1	112-41A	DPR(2/7), 118-48A
SIF MUTE 2	112-41B	DPR(2/7), 118-48B
SIF MUTE 3	112-42A	DPR(2/7), 118-49A
SIF MUTE 4	112-42B	DPR(2/7), 118-49B

Digital Audio Timebase Expansion
for 4:2:2 Component Serial
Digital Interface Receiver
DIF-16 BOARD (5/5)

BOARD NO. 1-648-531-11, 12
BOARD'S LOT NO. 302-410
DVW-A500(J, UC) : DIF-16 MCB
DVW-A500P(EK) : DIF-16P MCB
DVW-A500P(UC) : DIF-16PG MCB
DVW-500 (J, UC) : DIF-16 MCB
DVW-500P (EK) : DIF-16P MCB
DVW-500P (UC) : DIF-16PG MCB

LOT NO.	BOARD NO.
302-306	1-648-531-11
307-410	1-648-531-12



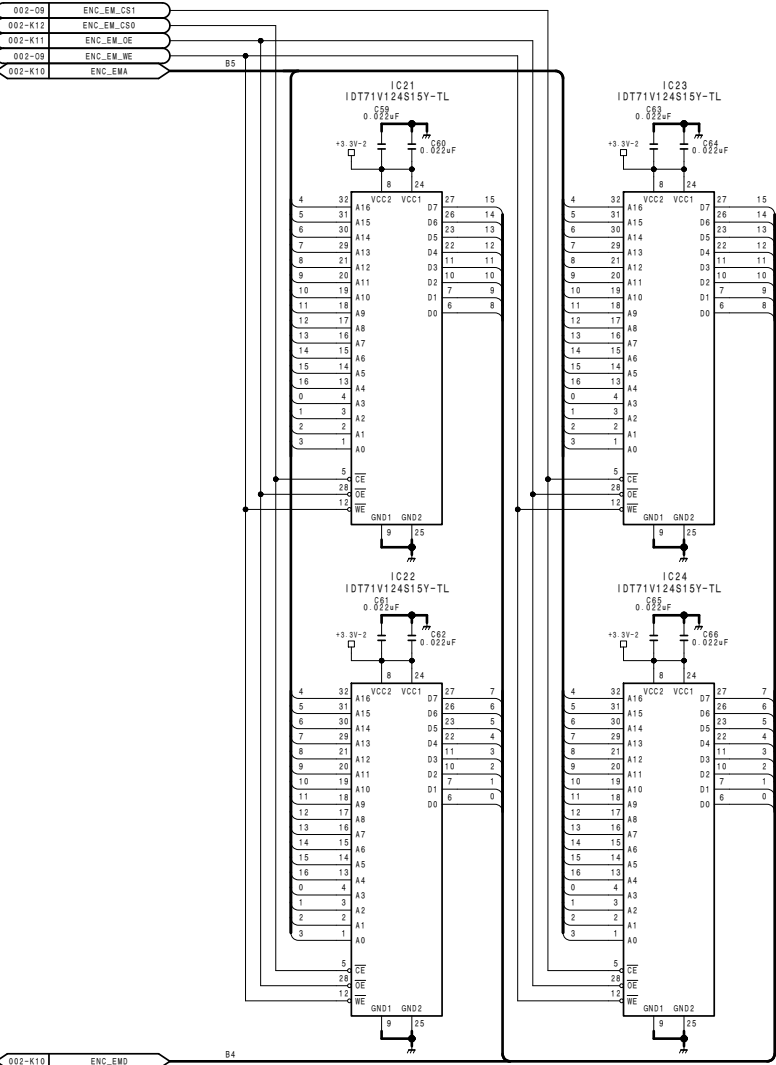
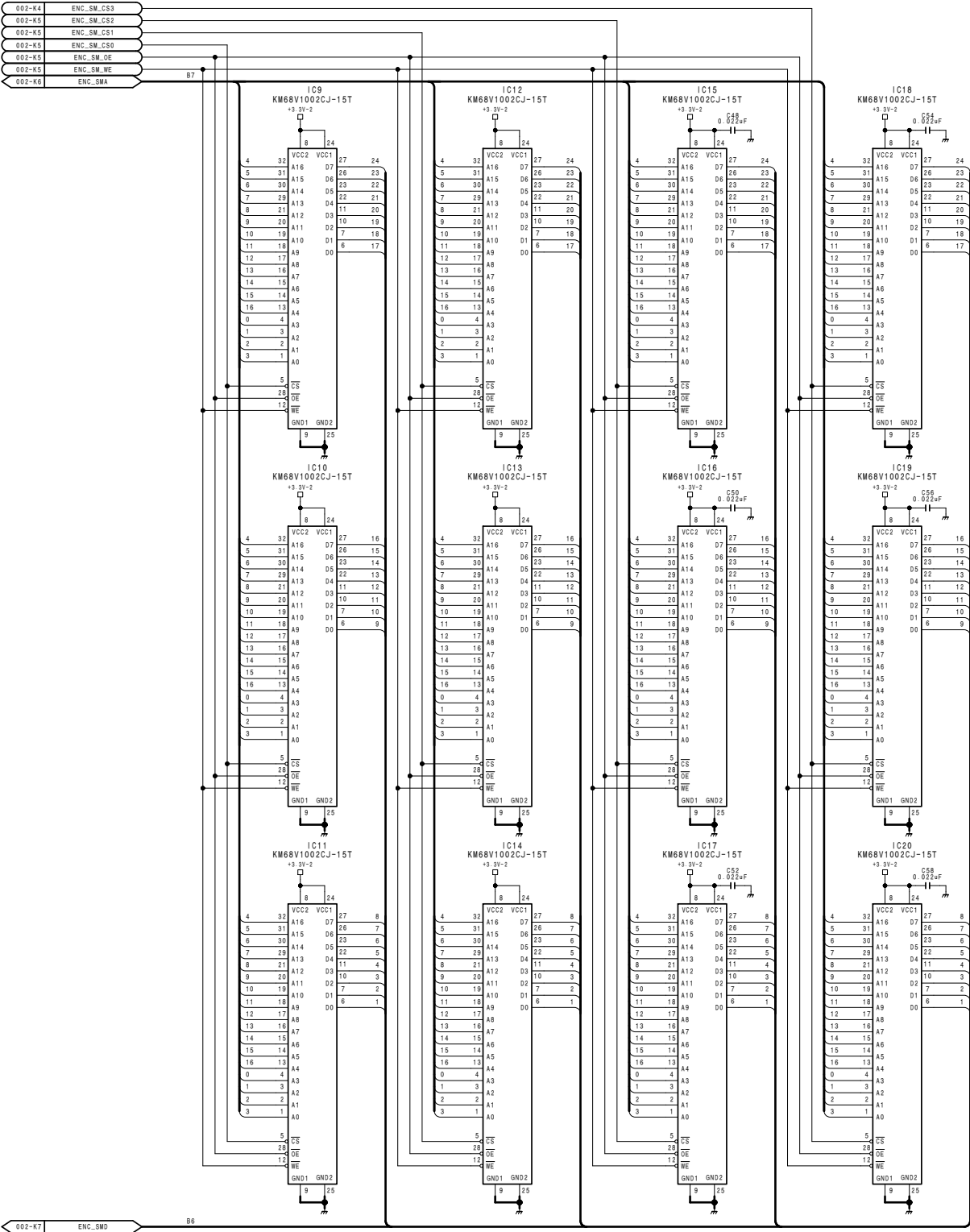
Digital Process System Control DPR-36 BOARD (1/11)

BOARD NO. 1-648-533-14
BOARD'S LOT NO. 812-
DVW-A500 (J, UC) : DPR-36 MCB
DVW-A500P (EK) : DPR-36 MCB
DVW-A500P (UC) : DPR-36 MCB
DVW-500 (J, UC) : DPR-36 MCB
DVW-500P (EK) : DPR-36 MCB
DVW-500P (UC) : DPR-36 MCB
DVW-A500_DPR-36_001_1



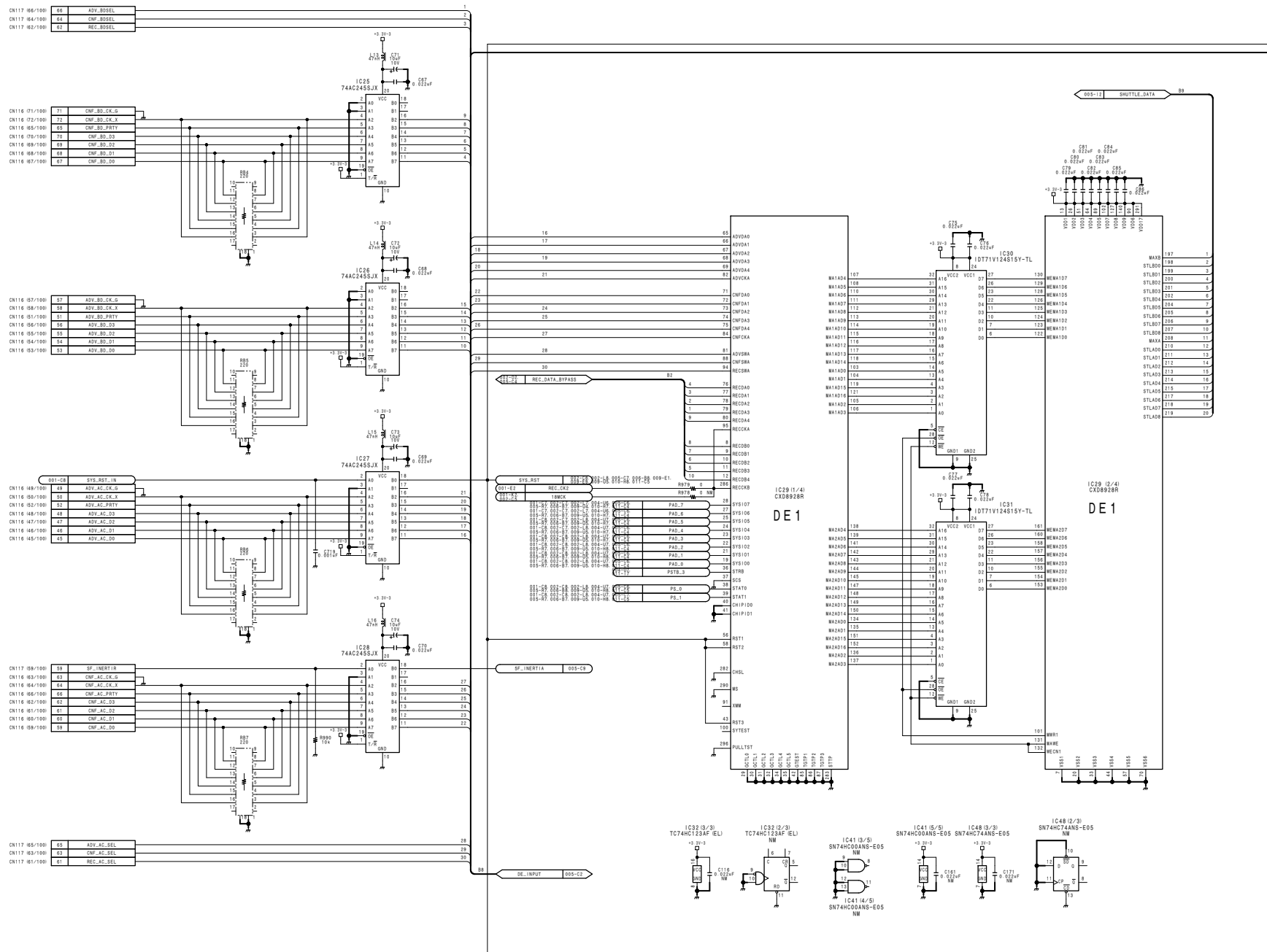
BOARD NO. 1-648-533-14
BOARD'S LOT NO. 812-
DVW-A500 (J. UC) : DPR-36 MCB
DVW-A500P (EK) : DPR-36 MCB
DVW-A500P (UC) : DPR-36 MCB
DVW-500 (J. UC) : DPR-36 MCB
DVW-500P (EK) : DPR-36 MCB
DVW-500P (UC) : DPR-36 MCB
DVW-A500 DPR-36_001_2

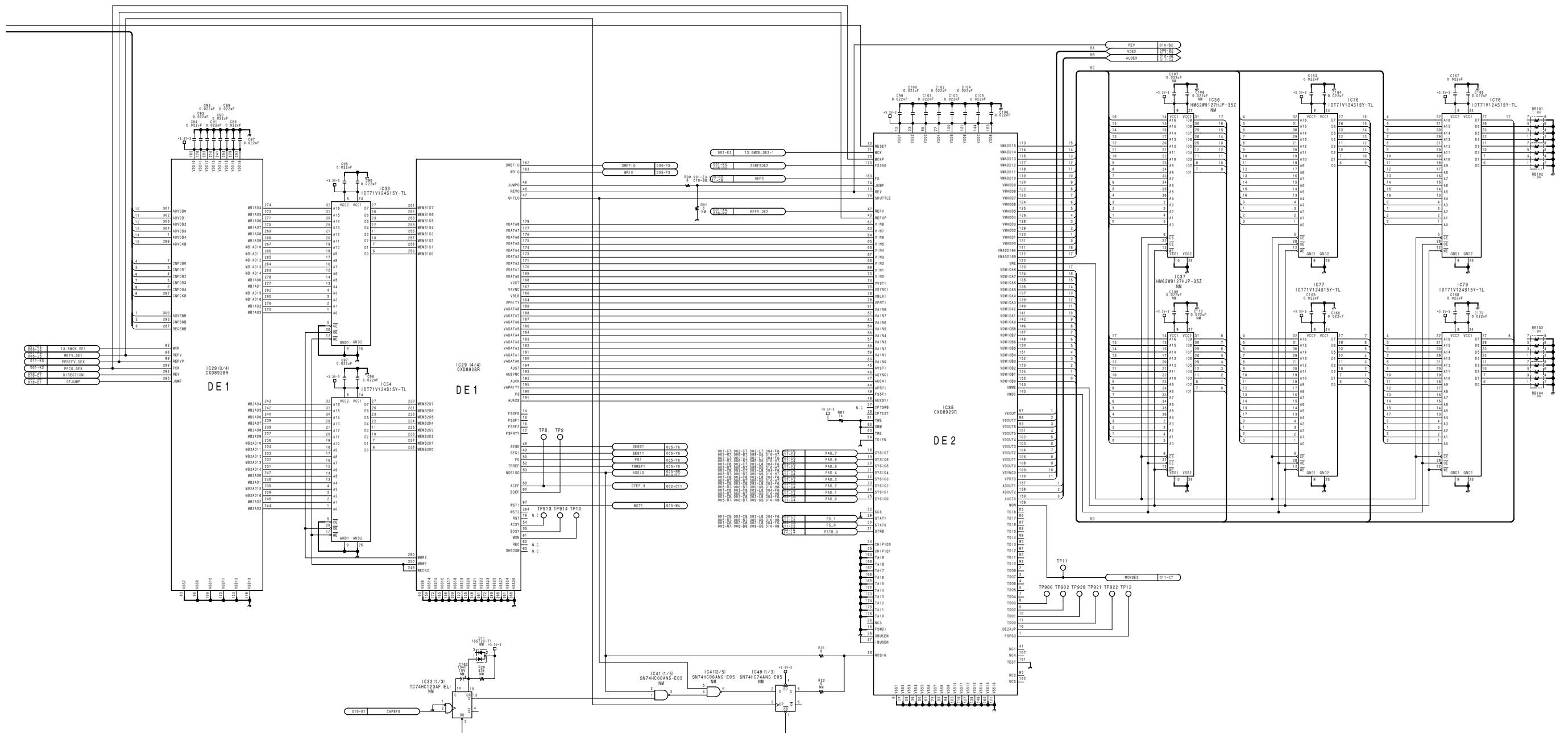




Bit Rate Reduction Encoder Memory
DPR-36 BOARD (3/11)

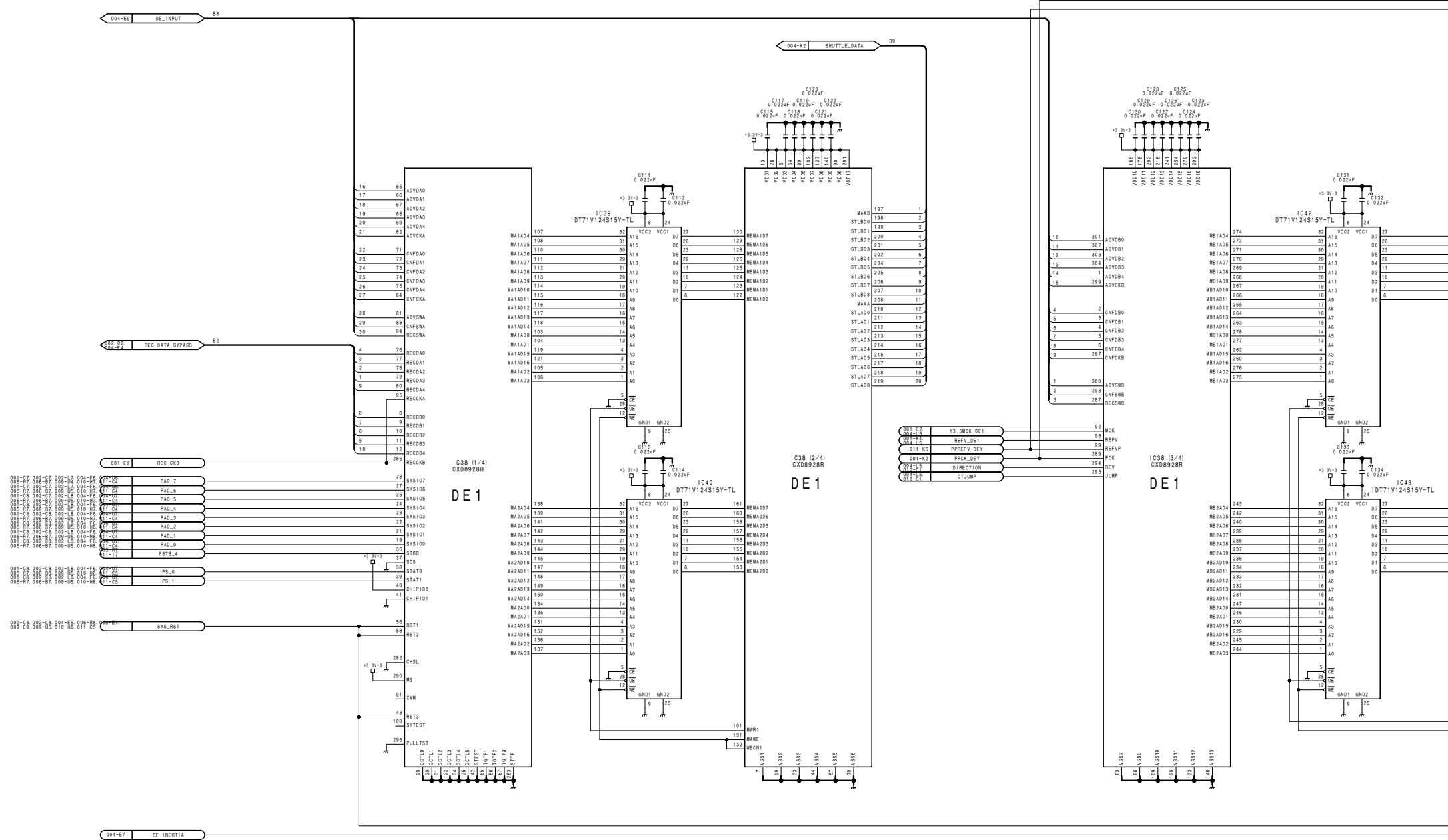
BOARD NO. 1-648-533-14
BOARD'S LOT NO. 812-
DVW-A500 (J. UC) : DPR-36 MCB
DVW-A500P (EK) : DPR-36 MCB
DVW-A500P (UC) : DPR-36 MCB
DVW-500 (J. UC) : DPR-36 MCB
DVW-500P (EK) : DPR-36 MCB
DVW-500P (UC) : DPR-36 MCB
DVW-A500_DPR-36_001_3

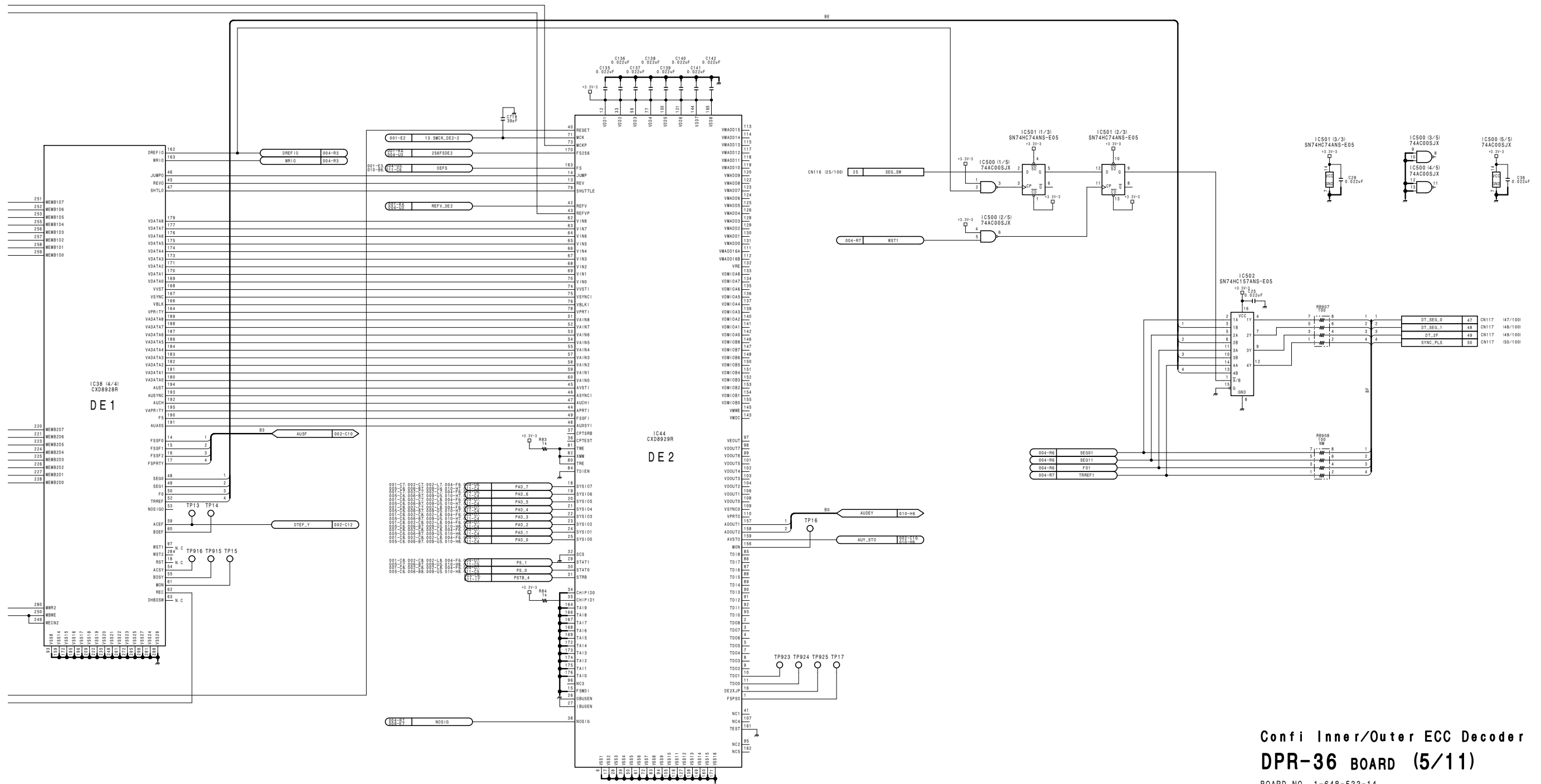




Advance Inner/Outer ECC Decoder DPR-36 BOARD (4/11)

BOARD NO. 1-648-533-14
BOARD'S LOT NO. 812-
DVW-A500 (J. UC) : DPR-36 MCB
DVW-A500P (EK) : DPR-36 MCB
DVW-A500P (UC) : DPR-36 MCB
DVW-500 (J. UC) : DPR-36 MCB
DVW-500P (EK) : DPR-36 MCB
DVW-500P (UC) : DPR-36 MCB
DVW-A500_DPR-36_001_4





Confi Inner/Outer ECC Decoder DPR-36 BOARD (5/11)

BOARD NO. 1-648-533-14
BOARD'S LOT NO. 812-
DVW-A500 (J. UC) : DPR-36 MCB
DVW-A500P (EK) : DPR-36 MCB
DVW-A500P (UC) : DPR-36 MCB
DVW-500 (J. UC) : DPR-36 MCB
DVW-500P (EK) : DPR-36 MCB
DVW-500P (UC) : DPR-36 MCB
DVW-A500_DPR-36_001_5

1

2

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5

A

B

C

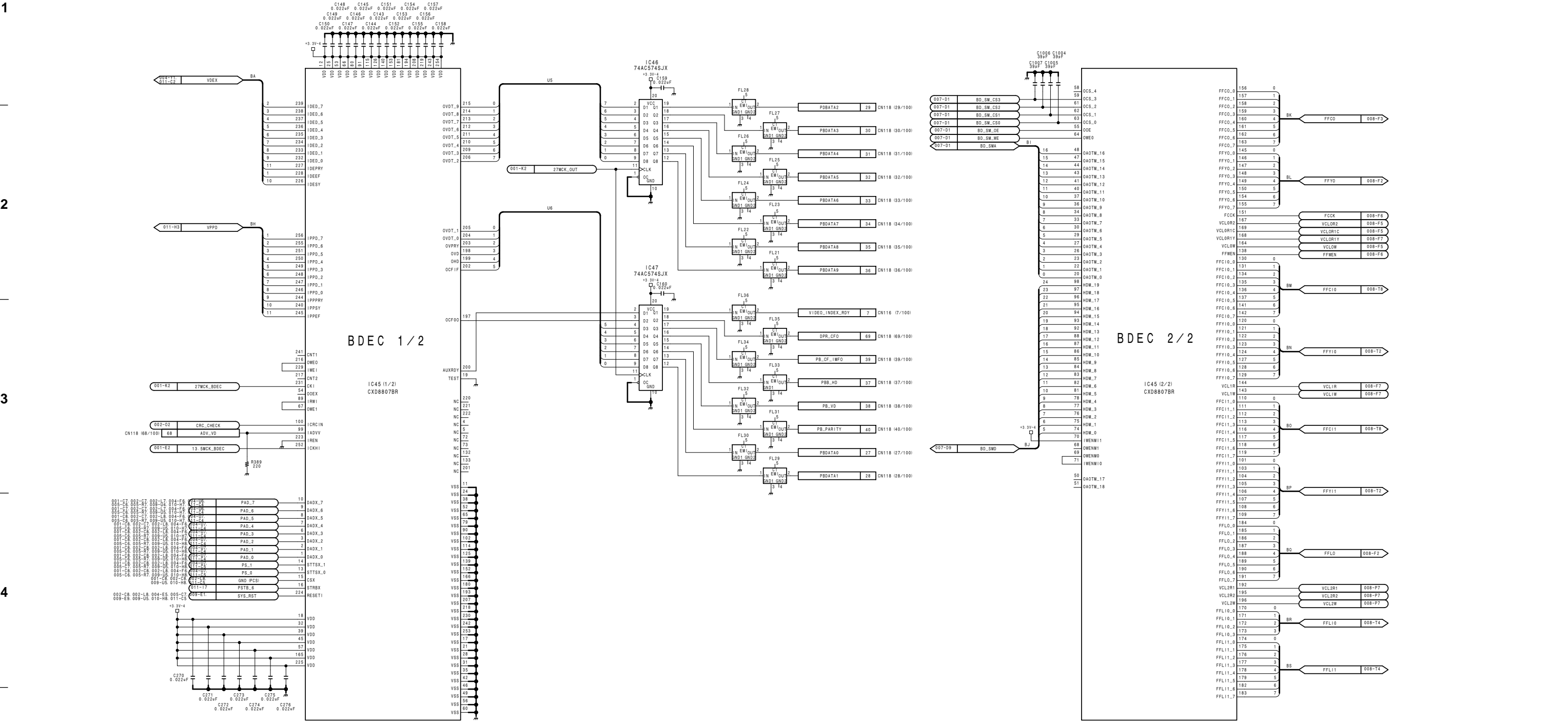
D

E

F

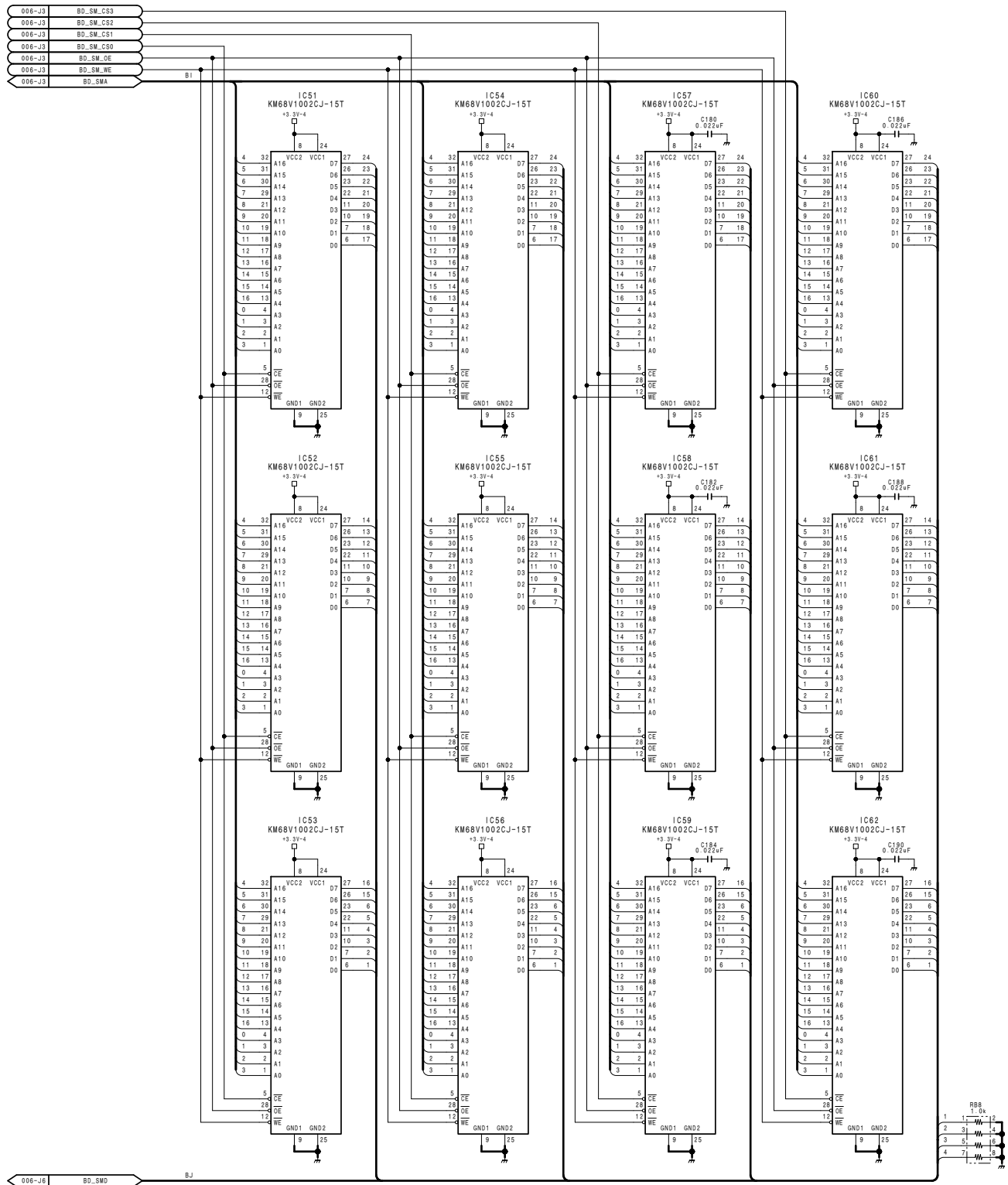
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H



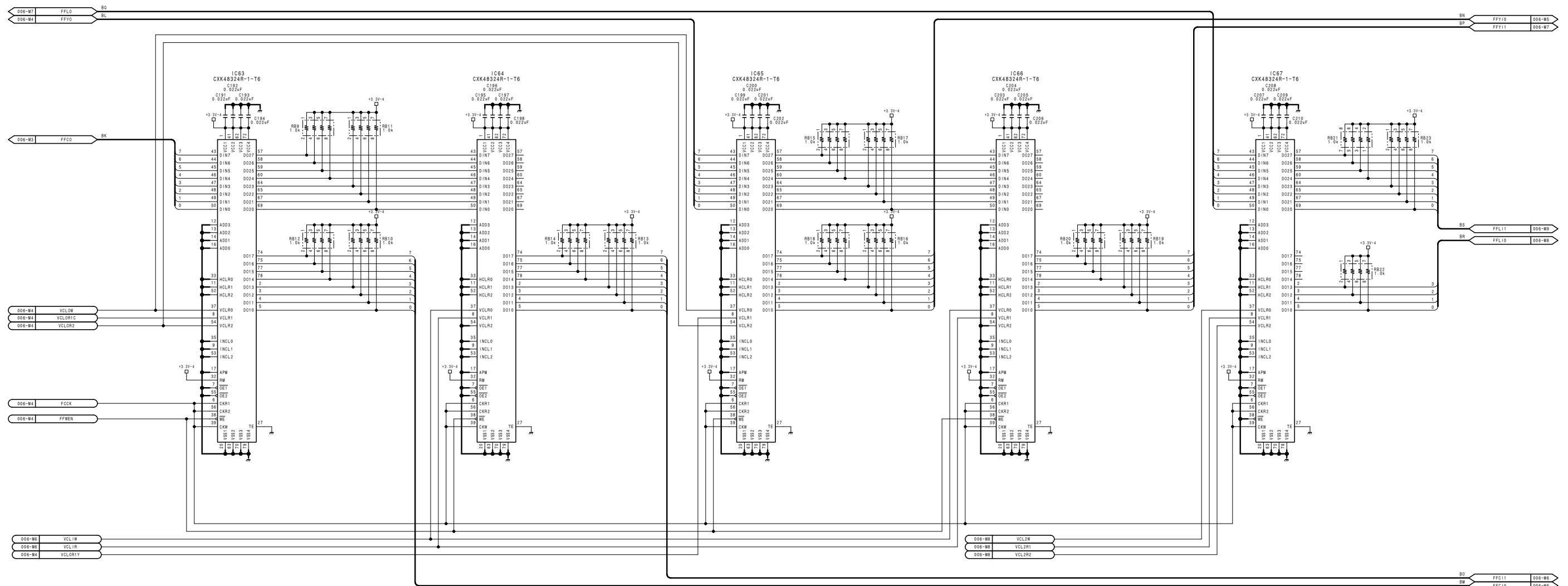
Bit Rate Reduction Decoder & Concealment Circuit
DPR-36 BOARD (6/11)

BOARD NO. 1-648-533-14
BOARD'S LOT NO. 812-
DVW-A500 (J, UC) : DPR-36 MCB
DVW-A500P (EK) : DPR-36 MCB
DVW-A500P (UC) : DPR-36 MCB
DVW-500 (J, UC) : DPR-36 MCB
DVW-500P (EK) : DPR-36 MCB
DVW-500P (UC) : DPR-36 MCB
DVW-A500_DPR-36_001_6



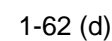
DE-Shuffling Memory
DPR-36 BOARD (7/11)

BOARD NO. 1-648-533-14
BOARD'S LOT NO. 812-
DVW-A500 (J. UC) : DPR-36 MCB
DVW-A500P (EK) : DPR-36 MCB
DVW-A500P (UC) : DPR-36 MCB
DVW-500 (J. UC) : DPR-36 MCB
DVW-500P (EK) : DPR-36 MCB
DVW-500P (UC) : DPR-36 MCB
DVW-A500_DPR-36_001_7

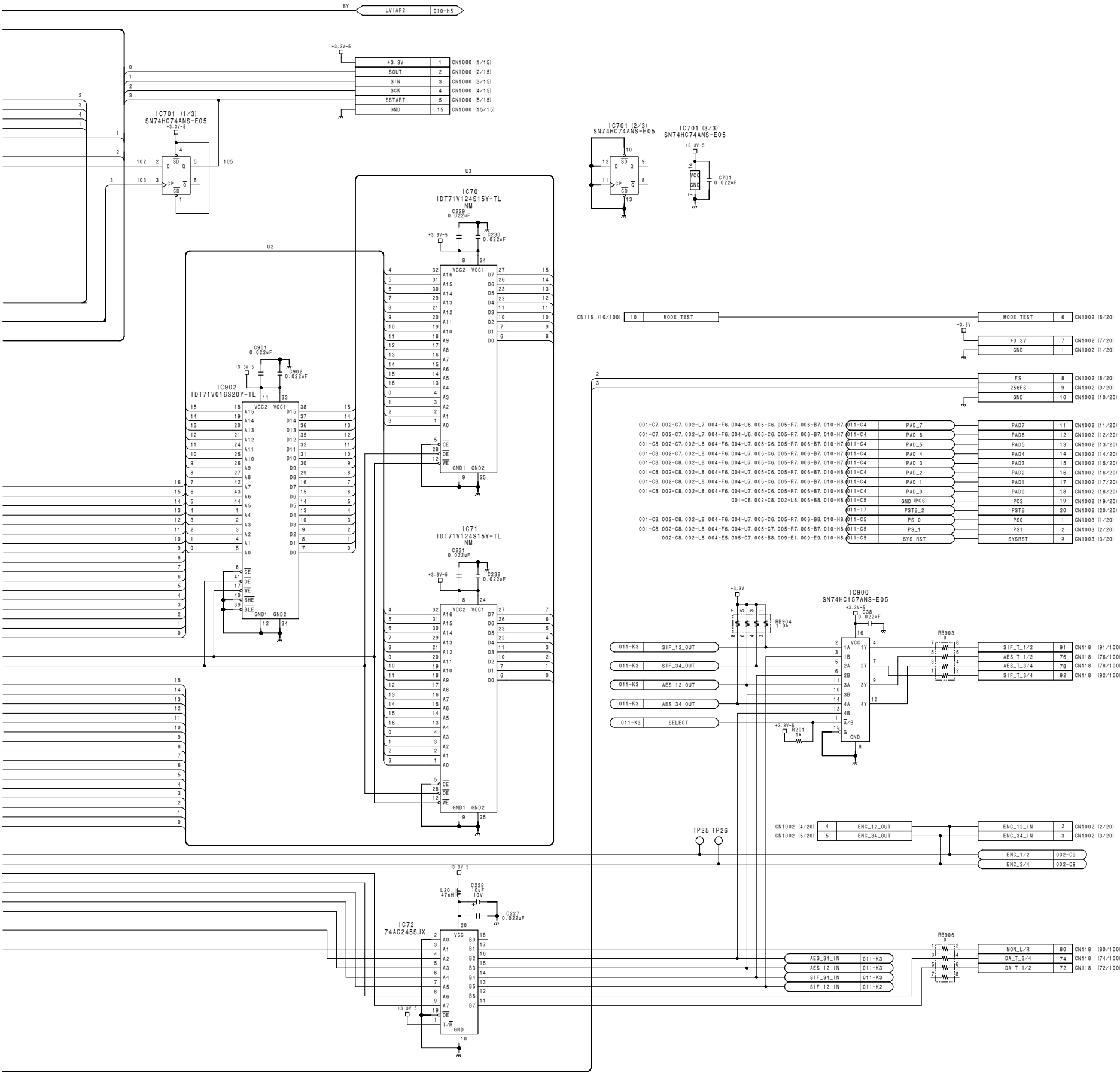


Concealment FIFO Memory
DPR-36 BOARD (8/11)

BOARD NO. 1-648-533-14
BOARD'S LOT NO. 812-
DVW-A500 (J. UC) : DPR-36 MCB
DVW-A500P (EK) : DPR-36 MCB
DVW-A500P (UC) : DPR-36 MCB
DVW-500 (J. UC) : DPR-36 MCB
DVW-500P (EK) : DPR-36 MCB
DVW-500P (UC) : DPR-36 MCB
DVW-A500_DPR-36_001_8

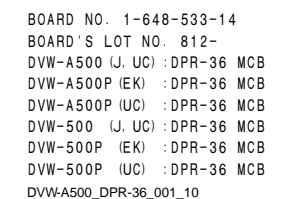


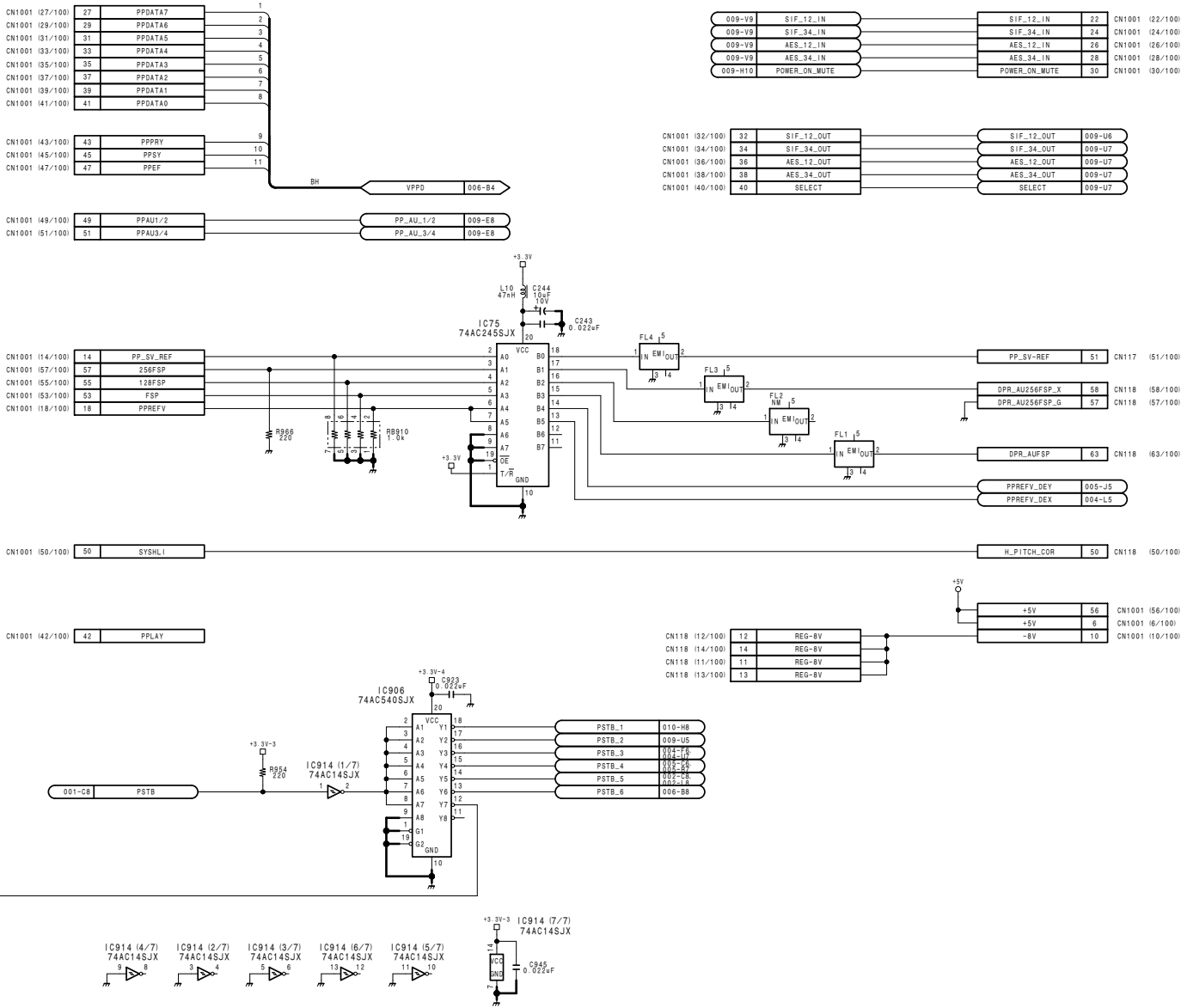
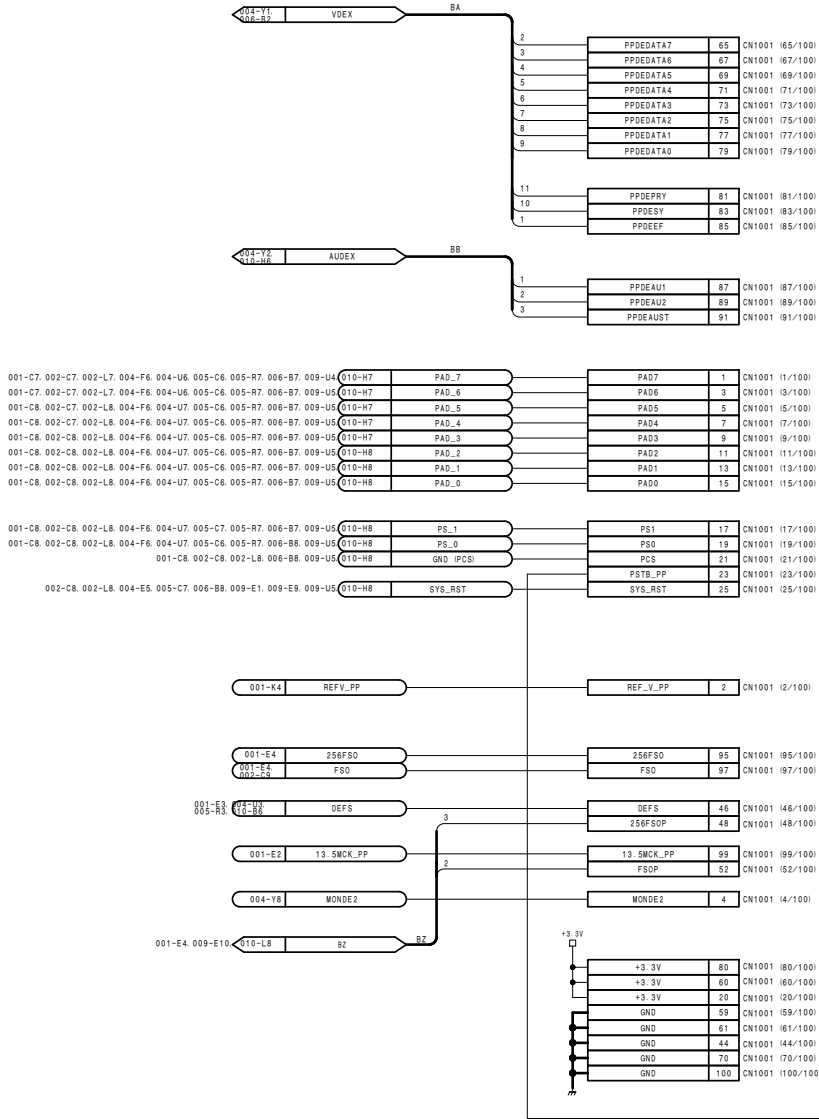
H



Audio Data Processor
DPR-36 BOARD (9/11)

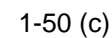
BOARD NO. 1-648-533-14
BOARD'S LOT NO. 812-
DVW-A500 (J. UC) : DPR-36 MCB
DVW-A500P (EK) : DPR-36 MCB
DVW-A500P (UC) : DPR-36 MCB
DVW-500 (J. UC) : DPR-36 MCB
DVW-500P (EK) : DPR-36 MCB
DVW-500P (UC) : DPR-36 MCB
DVW-A500_DPR-36_001_9

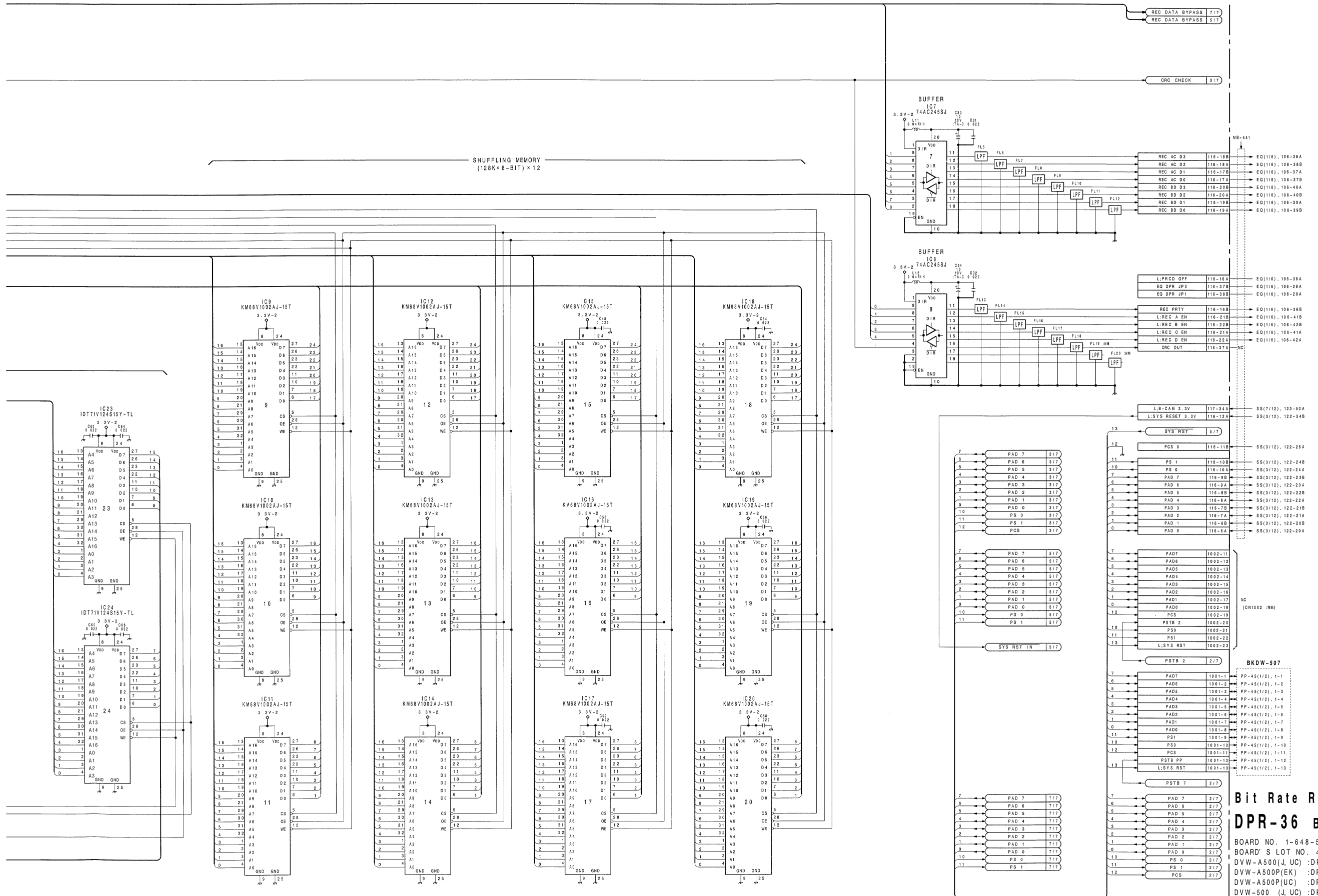




Program Play Board Interface
DPR-36 BOARD (11/11)

BOARD NO. 1-648-533-14
BOARD'S LOT NO. 812-
DVW-A500 (J. UC) : DPR-36 MCB
DVW-A500P (EK) : DPR-36 MCB
DVW-A500P (UC) : DPR-36 MCB
DVW-500 (J. UC) : DPR-36 MCB
DVW-500P (EK) : DPR-36 MCB
DVW-500P (UC) : DPR-36 MCB
DVW-A500_DPR-36_001_11





Bit Rate Reduction Encoder DPR-36 BOARD (1/7)

BOARD NO. 1-648-533-13
BOARD'S LOT NO. 409-811
DVW-A500P(J, UC) : DPR-36 MCB
DVW-A500P(EK) : DPR-36P MCB
DVW-A500P(UC) : DPR-36PG MCB
DVW-500 (J, UC) : DPR-36 MCB
DVW-500P (EK) : DPR-36P MCB
DVW-500P (UC) : DPR-36PG MCB
DVW-6PR36-ALL-REC-5/M-92-C

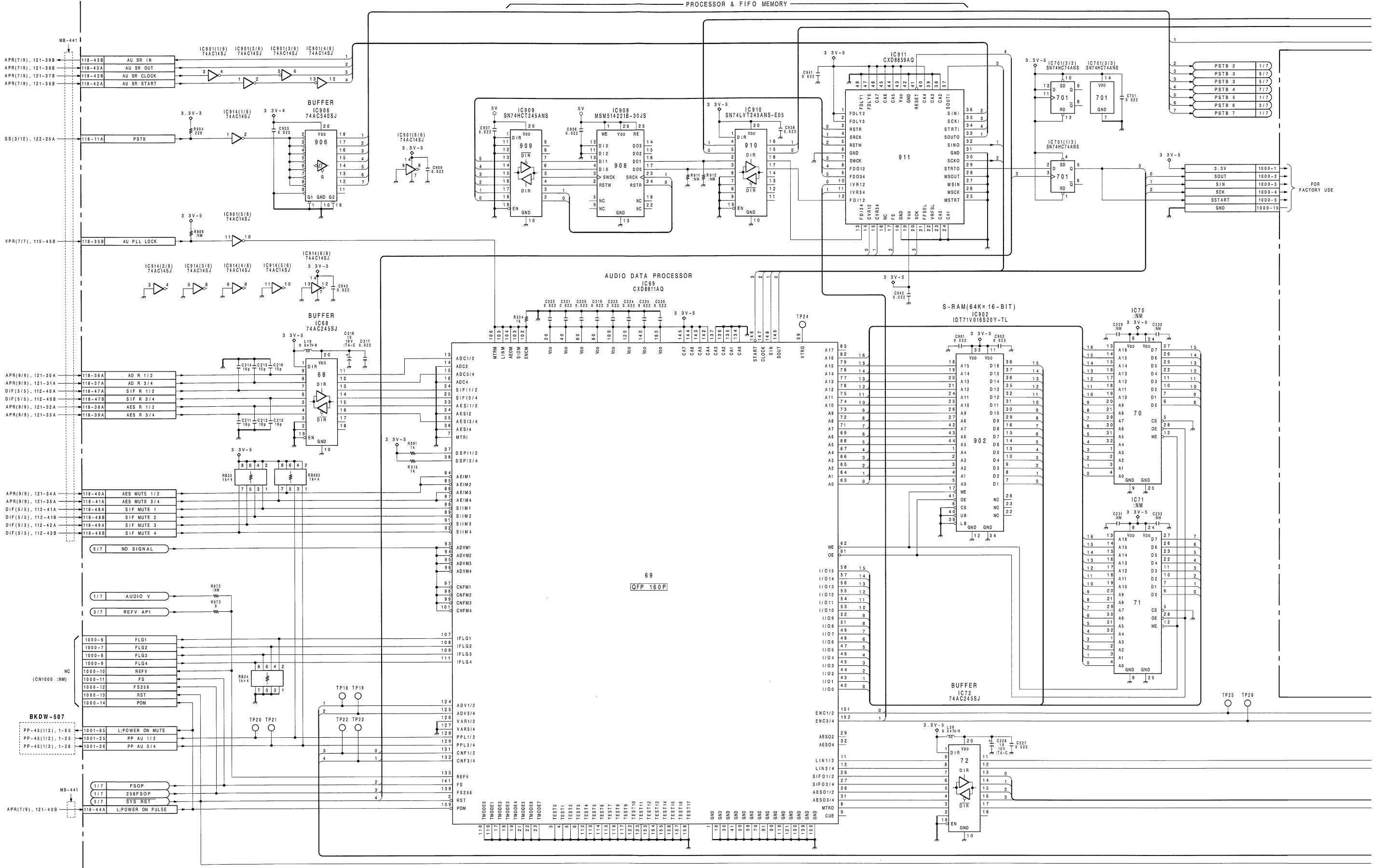
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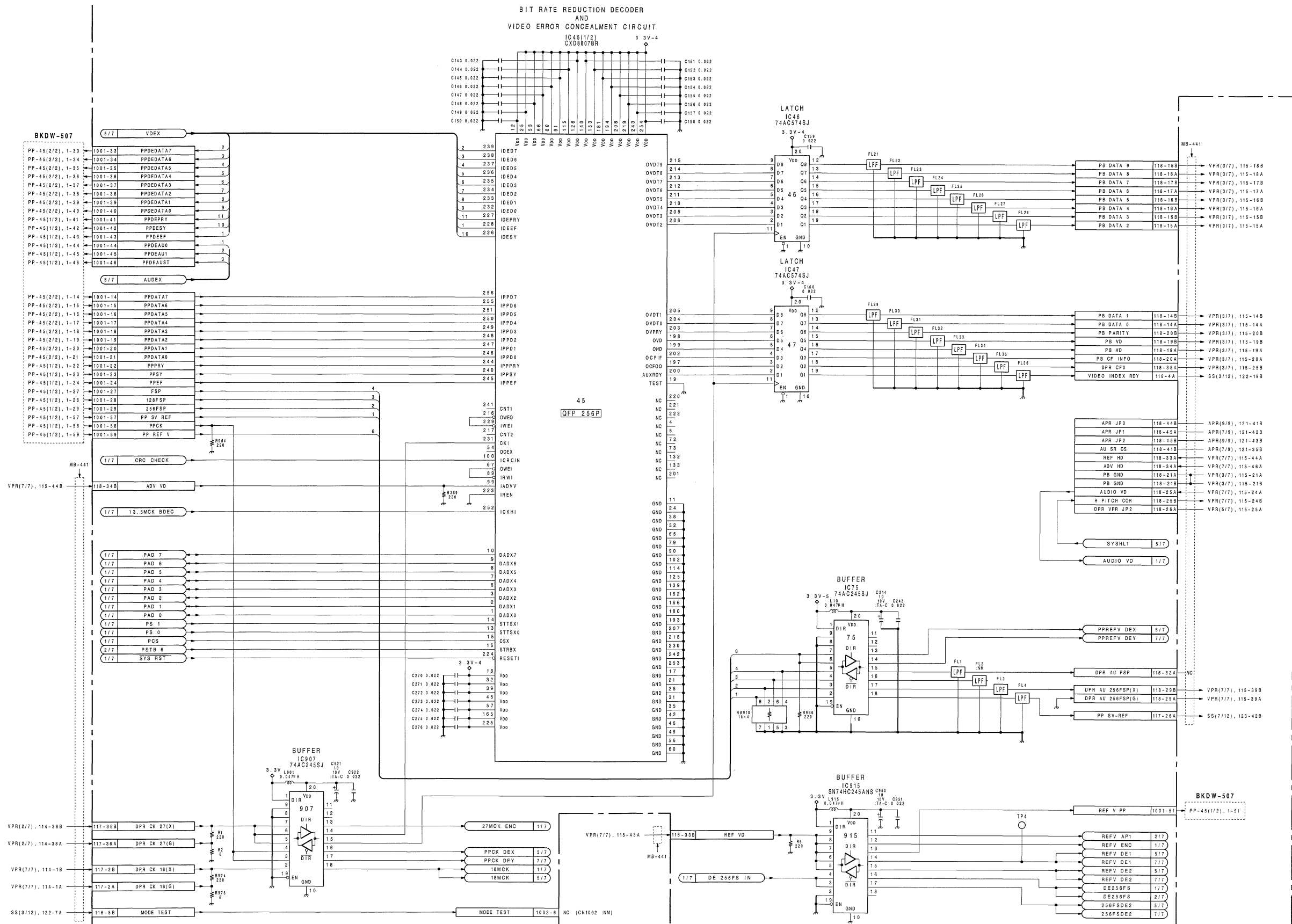
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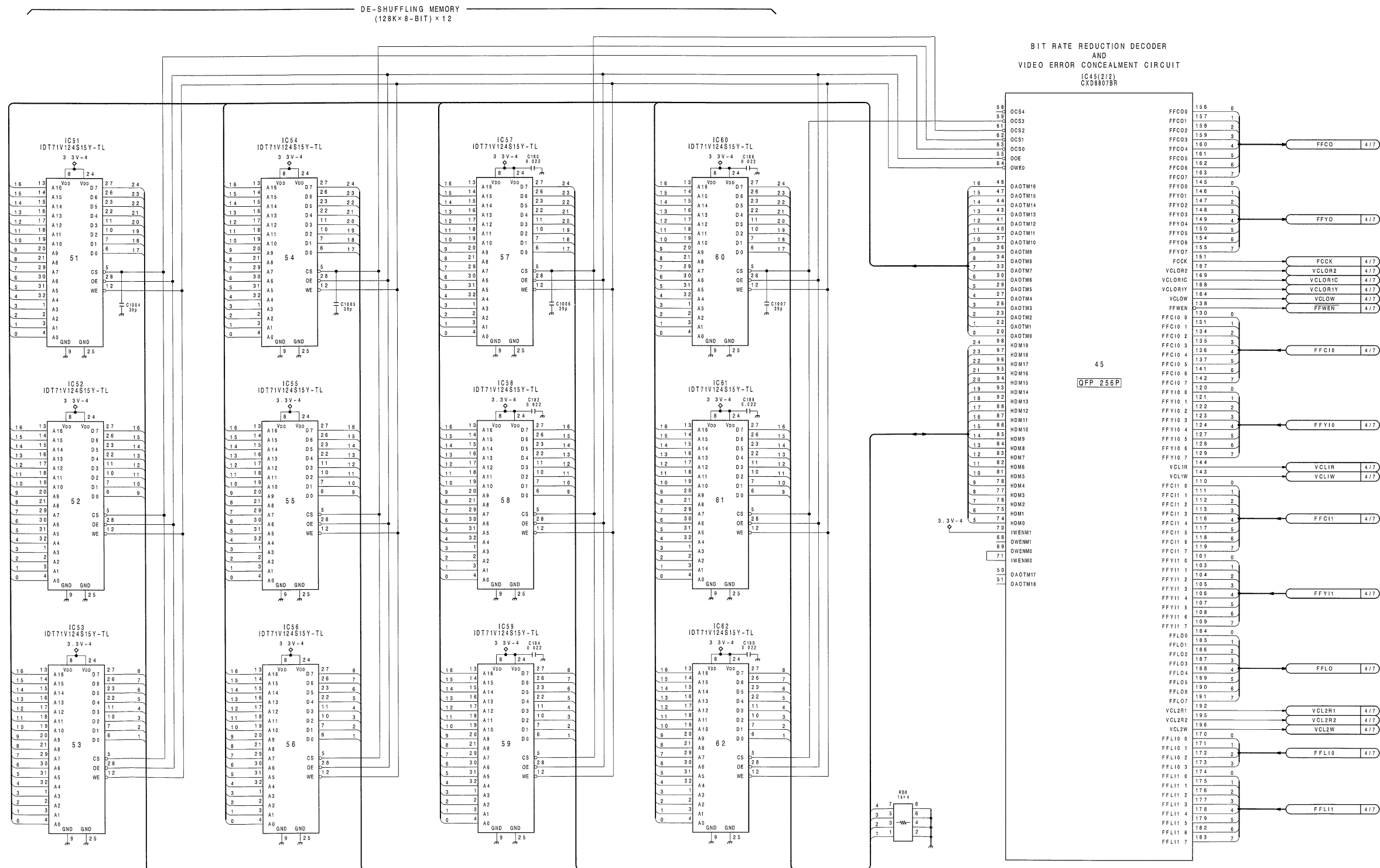
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4

5



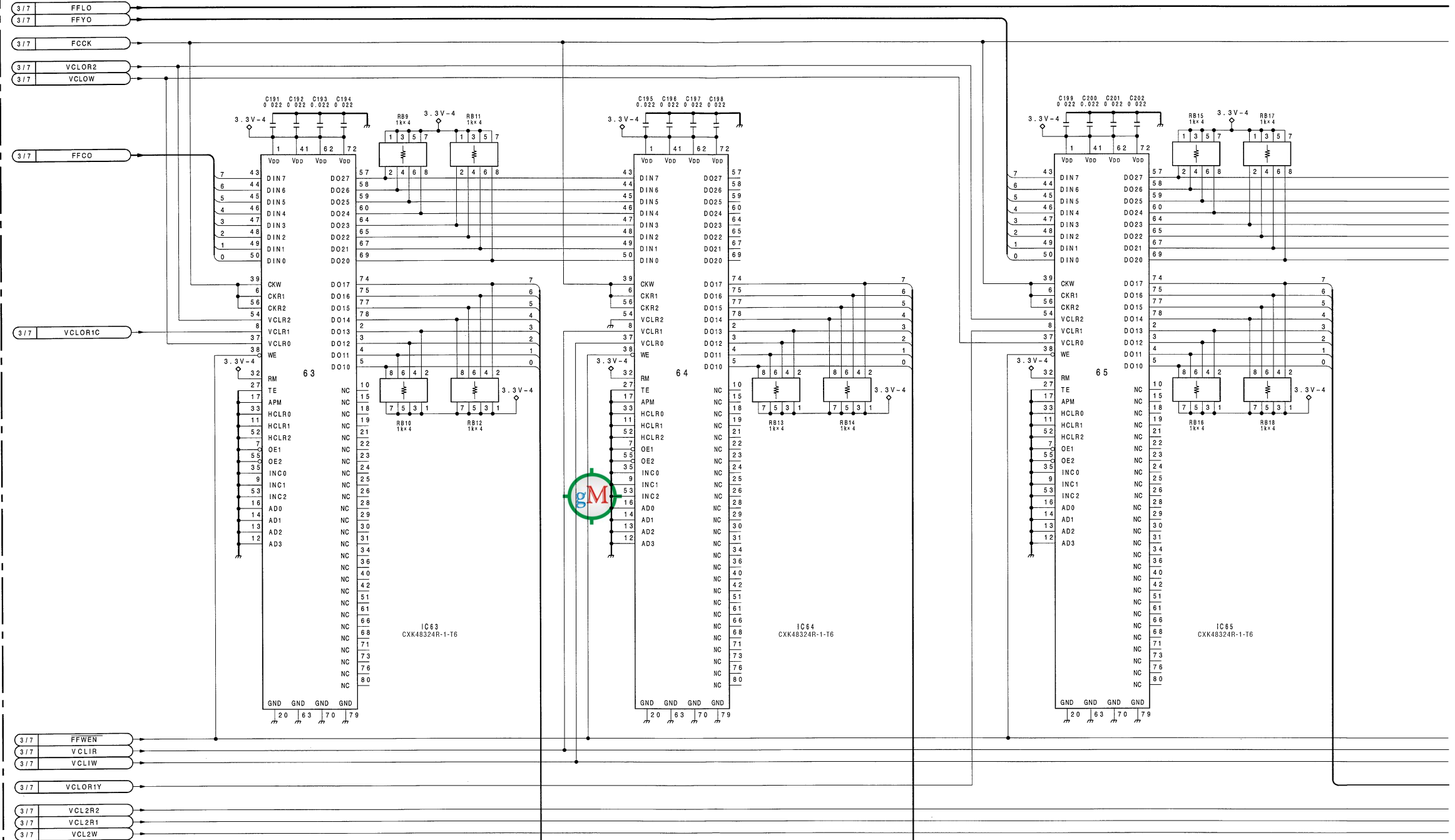


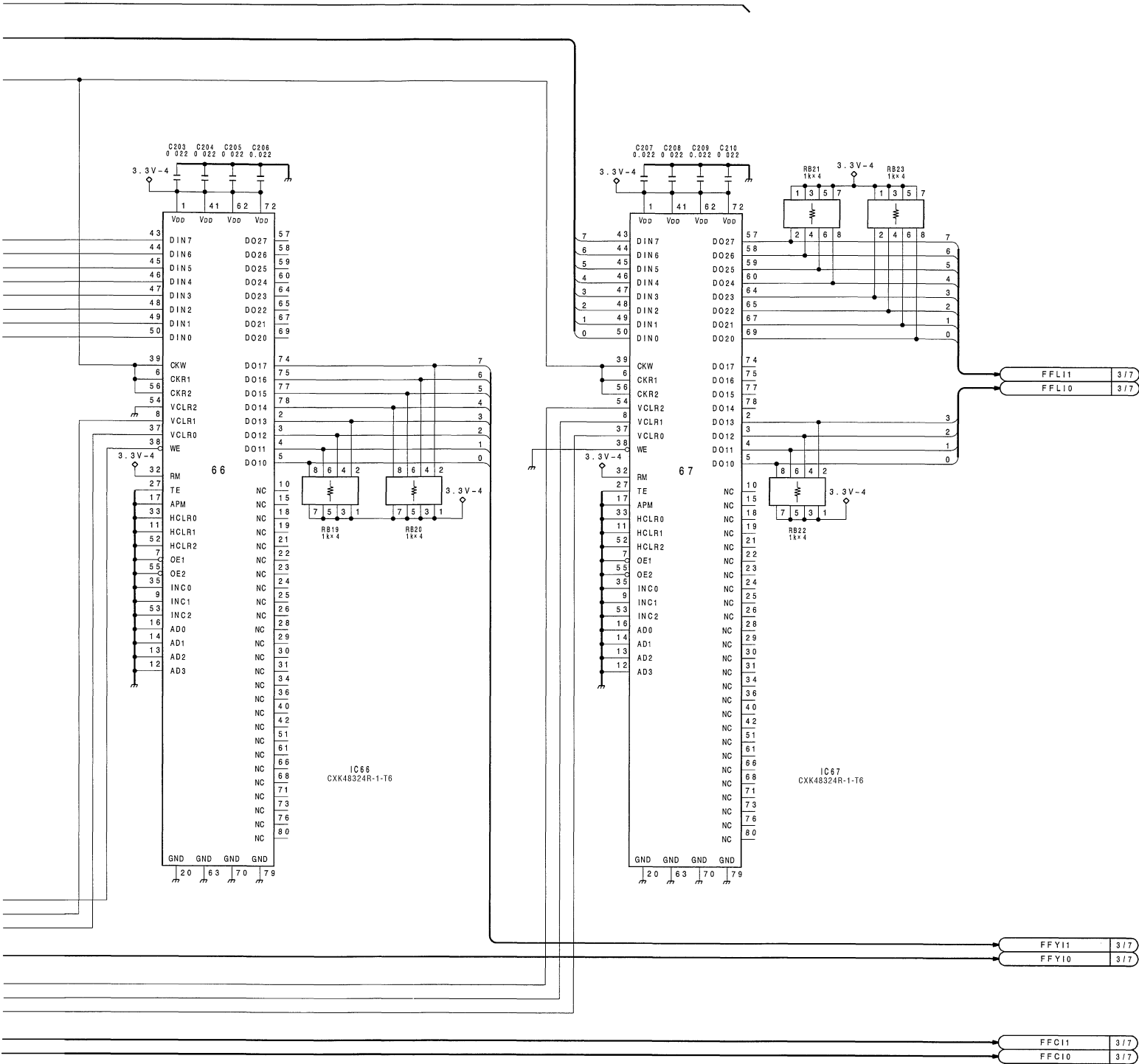


BIT Rate Reduction Decoder,
Concealment Circuit
DPR-36 BOARD (3/7)

BOARD NO. 1-648-533-13
BOARD'S LOT NO. 409-811
DVW-A500(J, UC) :DPR-36 MCB
DVW-A500P(EK) :DPR-36P MCB
DVW-A500P(UC) :DPR-36PG MCB
DVW-500 (J, UC) :DPR-36 MCB
DVW-500P (EK) :DPR-36P MCB
DVW-500P (UC) :DPR-36PG MCB

DVW-OPR36-ALL-REC-S/M-02-C



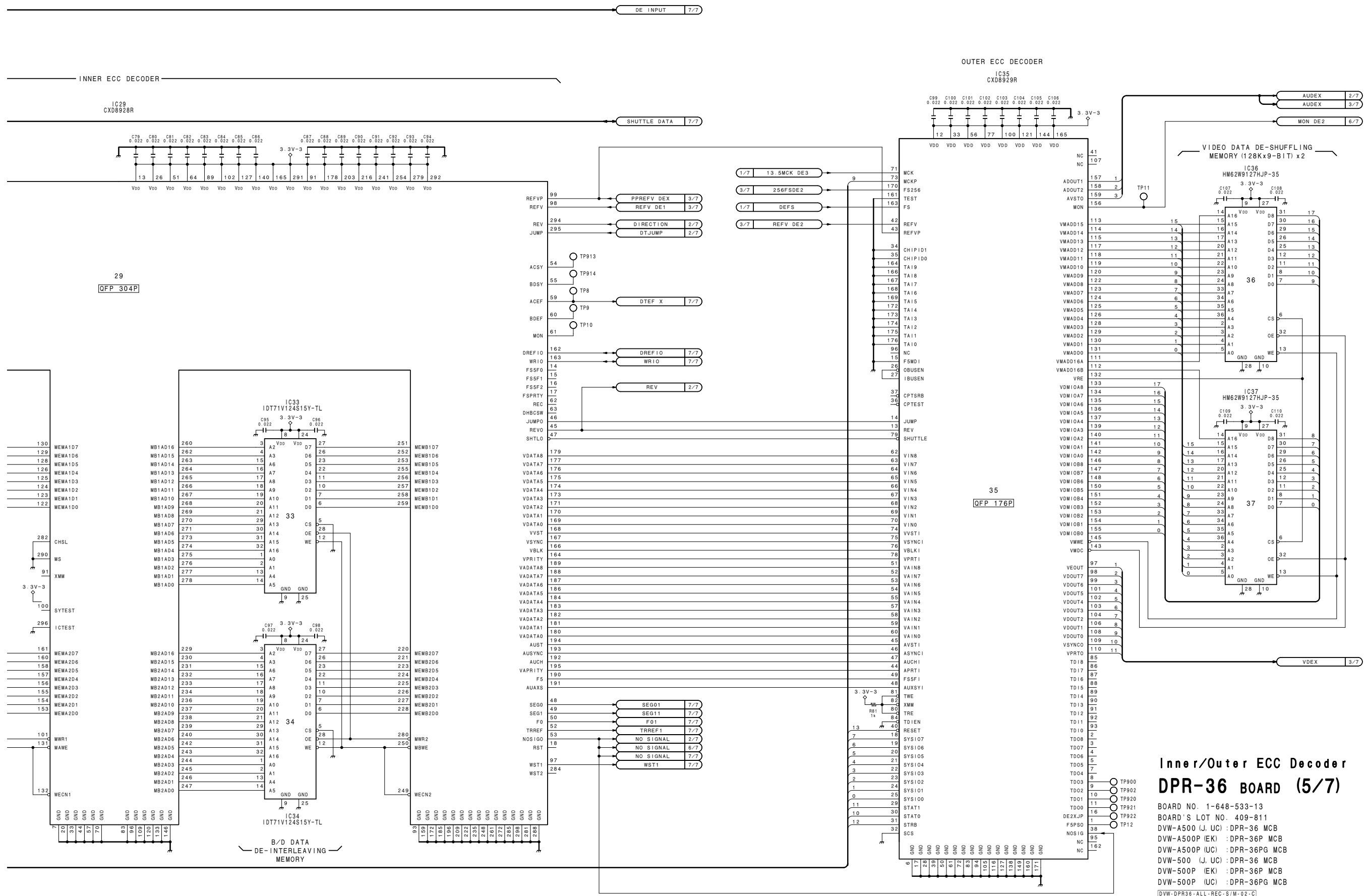


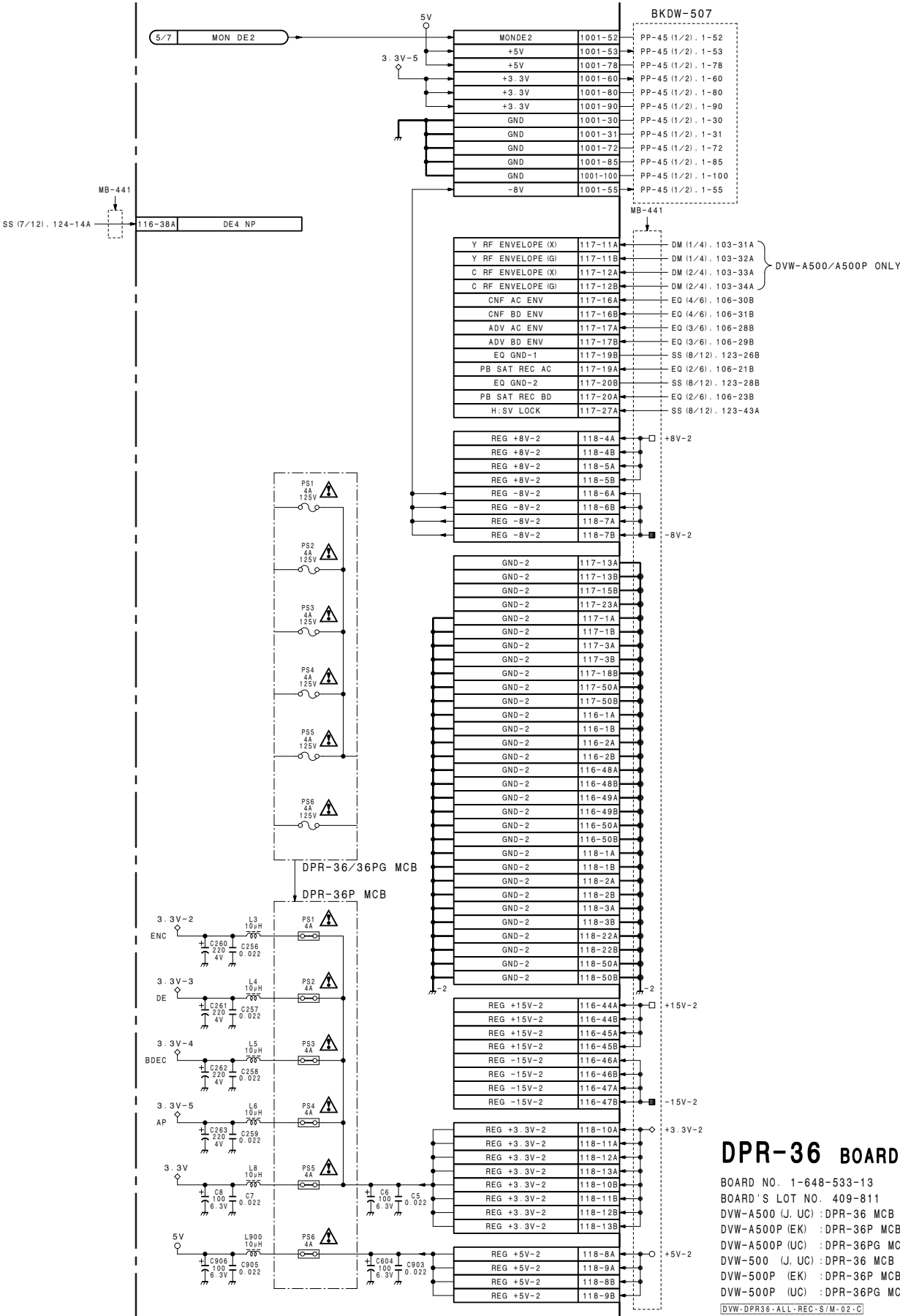
Concealment FIFO Memory
DPR-36 BOARD (4/7)

BOARD NO. 1-648-533-13
BOARD' S LOT NO. 409-811
DVW-A500(J, UC) :DPR-36 MCB
DVW-A500P(EK) :DPR-36P MCB
DVW-A500P(UC) :DPR-36PG MCB
DVW-500 (J, UC) :DPR-36 MCB
DVW-500P (EK) :DPR-36P MCB
DVW-500P (UC) :DPR-36PG MCB

DVW-DPR36-ALL-REG-8/M-02-C

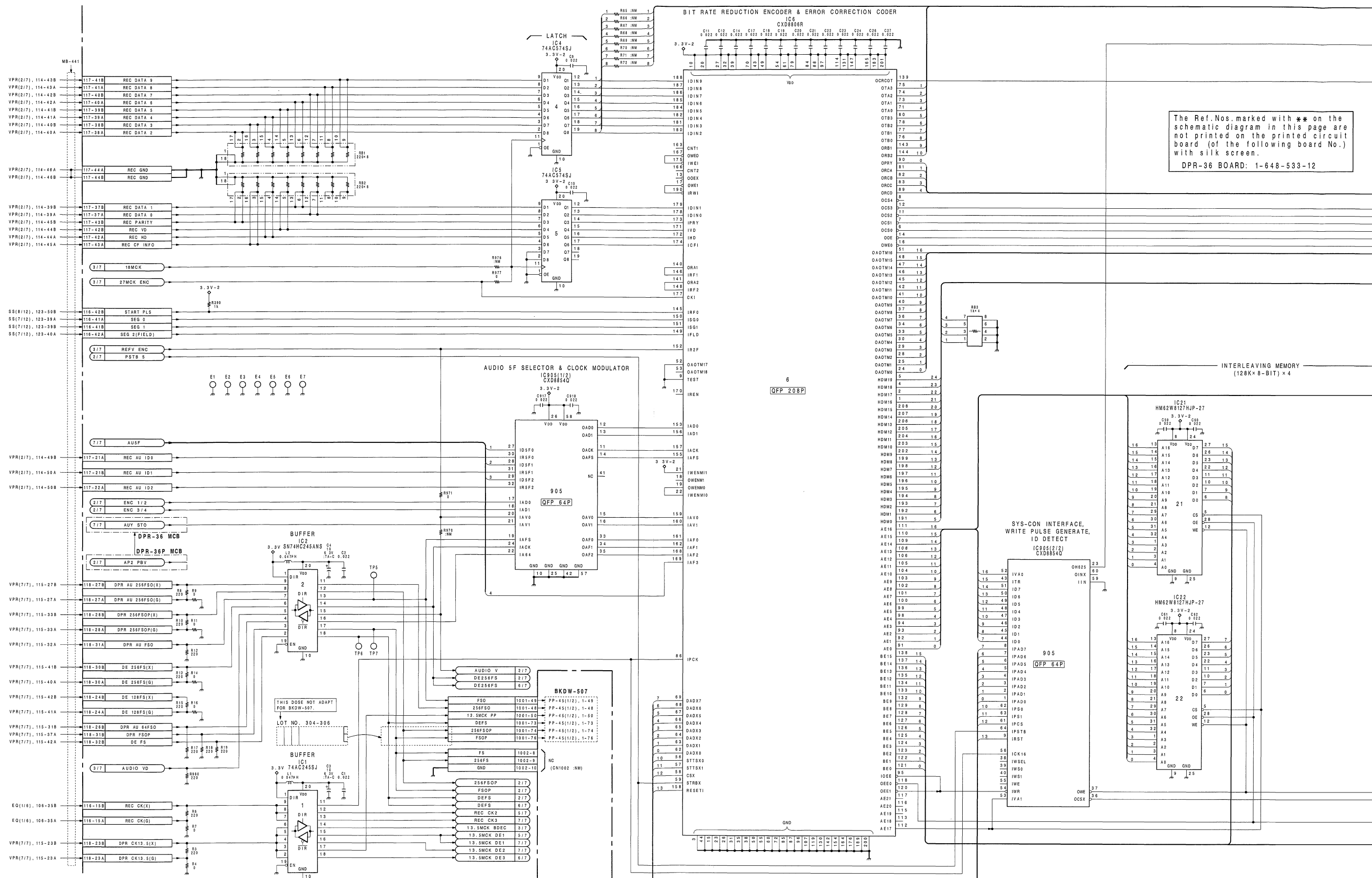


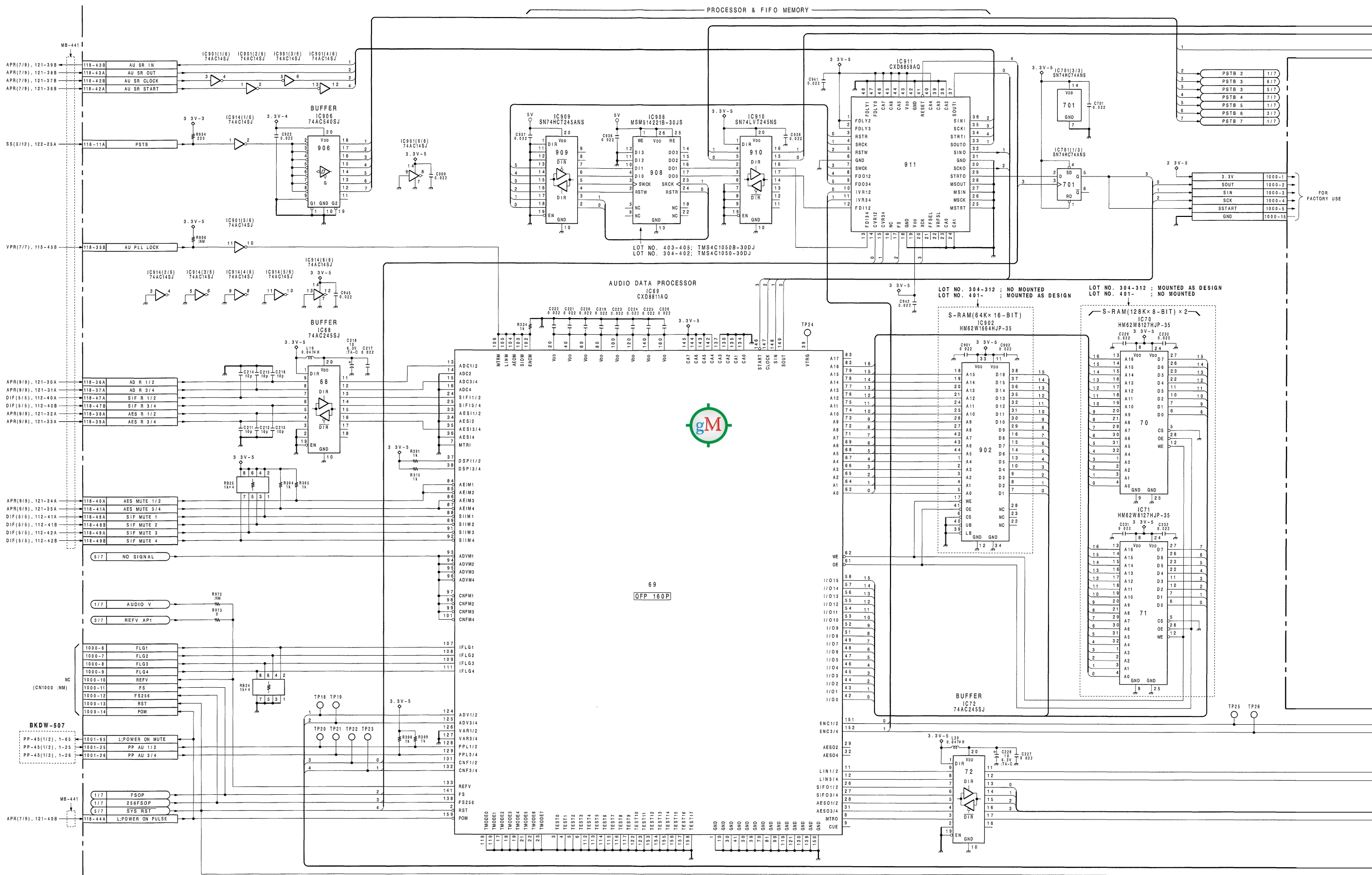




DPR-36 BOARD (6/7)

BOARD NO. 1-648-533-13
BOARD'S LOT NO. 409-811
DVW-A500 (J, UC) : DPR-36 MCB
DVW-A500P (EK) : DPR-36P MCB
DVW-A500P (UC) : DPR-36PG MCB
DVW-500 (J, UC) : DPR-36 MCB
DVW-500P (EK) : DPR-36P MCB
DVW-500P (UC) : DPR-36PG MCB
[DVW-DPR36-ALL-REC-S/M-02-C]



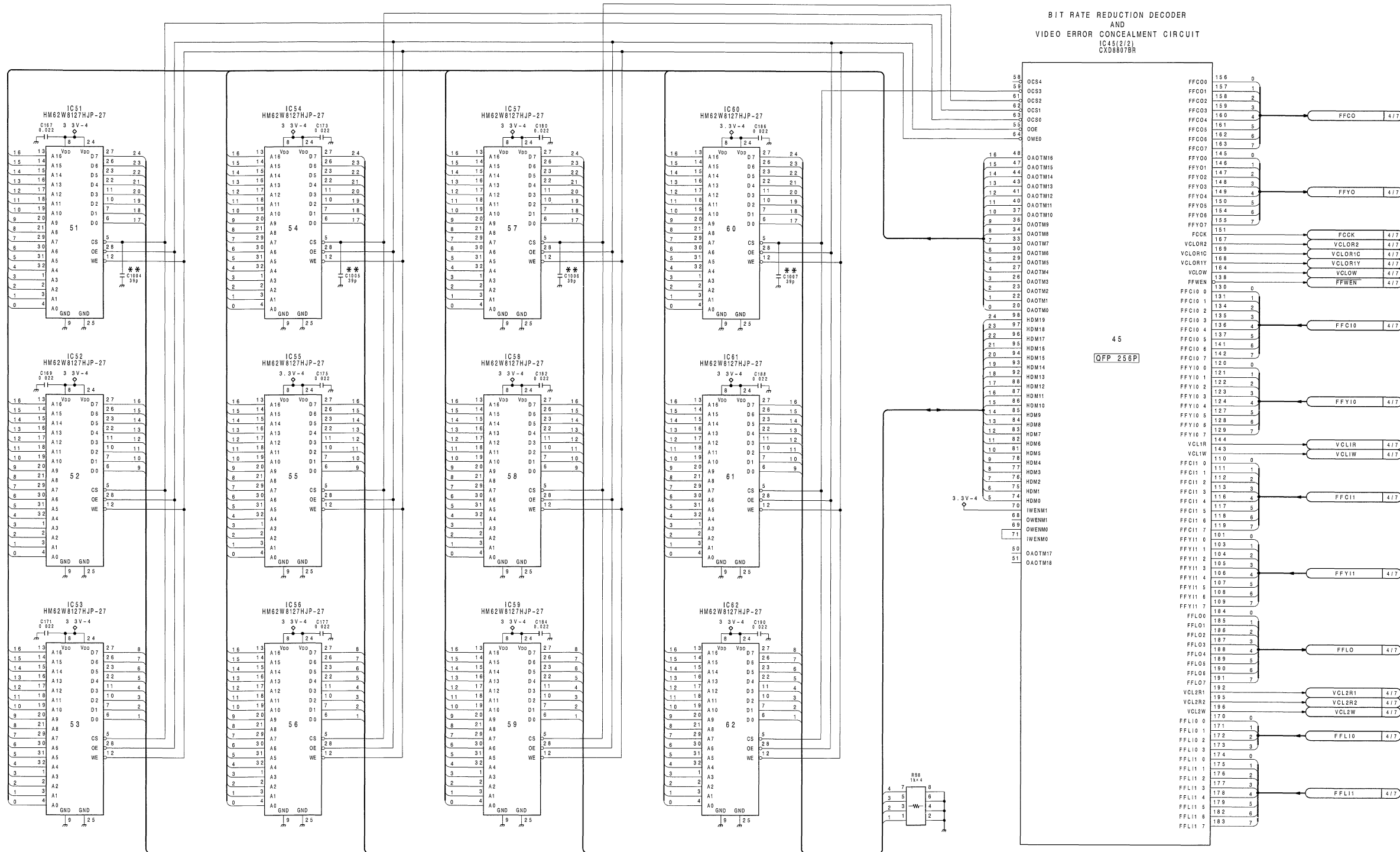




The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit board (of the following board No.) with silk screen.
DPR-36 BOARD: 1-648-533-12

DE-SHUFFLING MEMORY
(128K×8-BIT)×12

BIT RATE REDUCTION DECODER
AND
VIDEO ERROR CONCEALMENT CIRCUIT
IC45(2/2)
CXD8078R

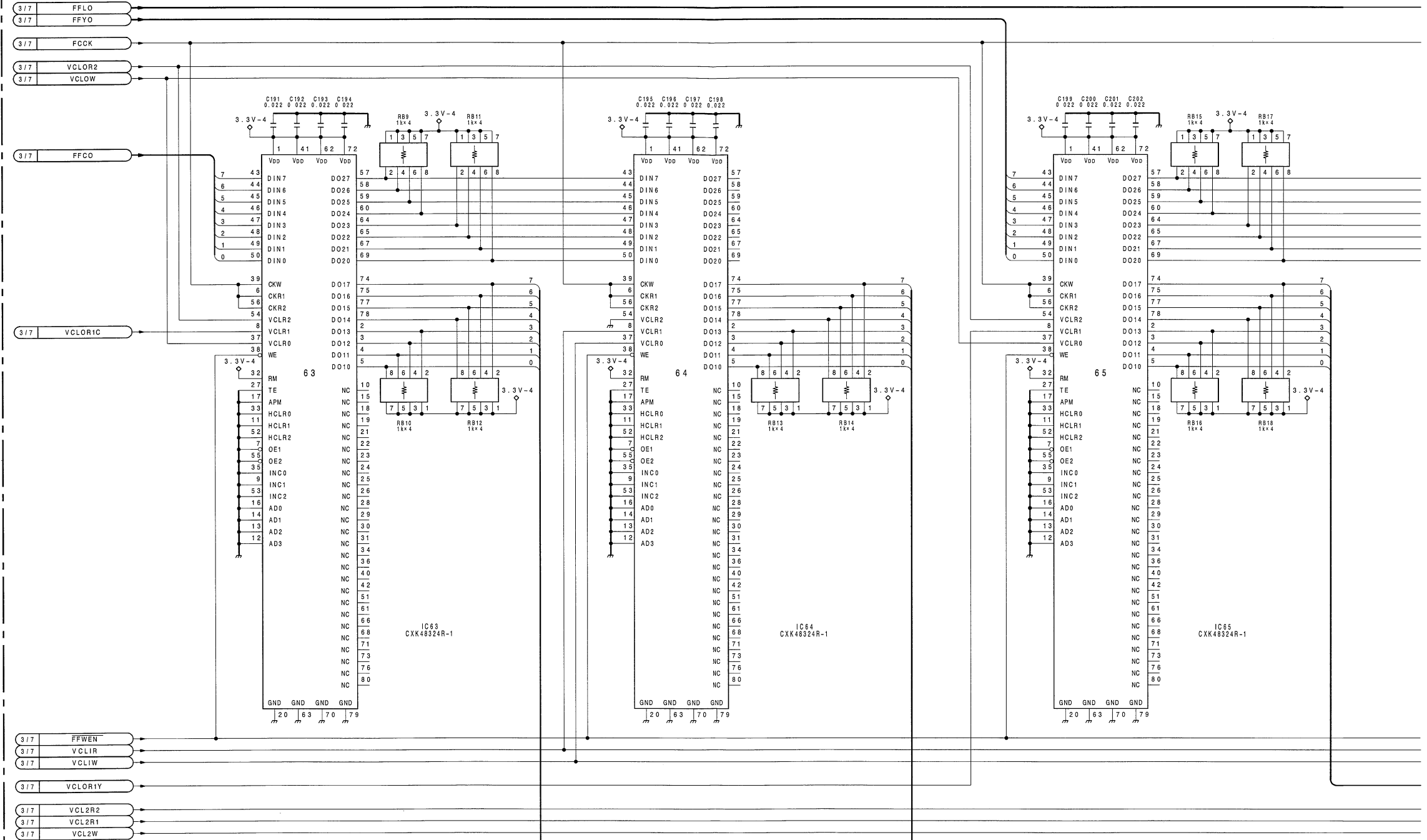


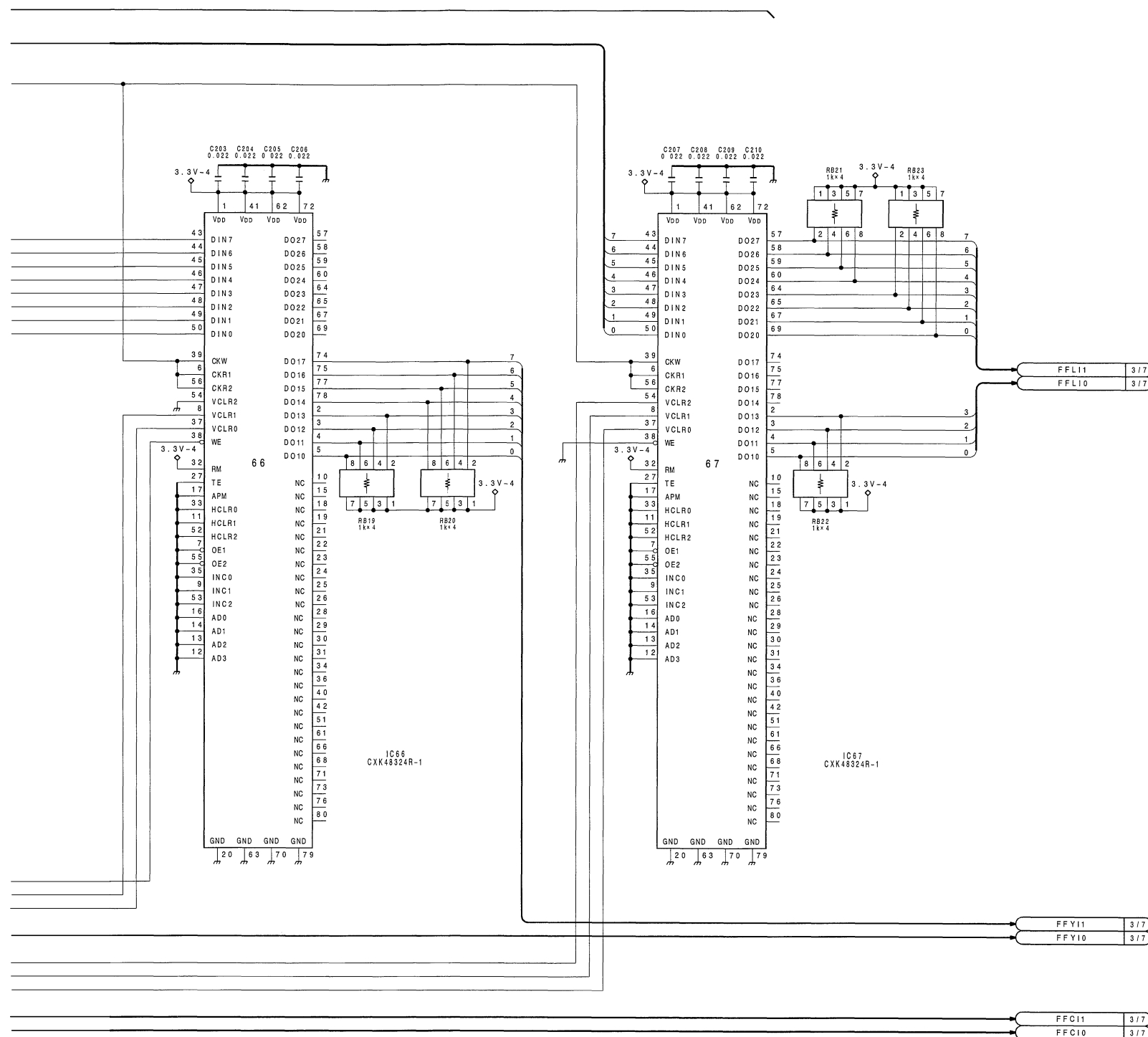
BIT Rate Reduction Decoder, Concealment Circuit DPR-36 BOARD (3/7)

BOARD NO. 1-648-533-12
BOARD'S LOT NO. 304-409
DVW-A500(J, UC) :DPR-36 MCB
DVW-A500P(EK) :DPR-36P MCB
DVW-A500P(UC) :DPR-36PG MCB
DVW-500 (J, UC) :DPR-36 MCB
DVW-500P (EK) :DPR-36P MCB
DVW-500P (UC) :DPR-36PG MCB

DVW-DPR36-ALL-REC-3/1M-02-B

CONCEALMENT FIFO MEMORY(2.4M-BIT×5)





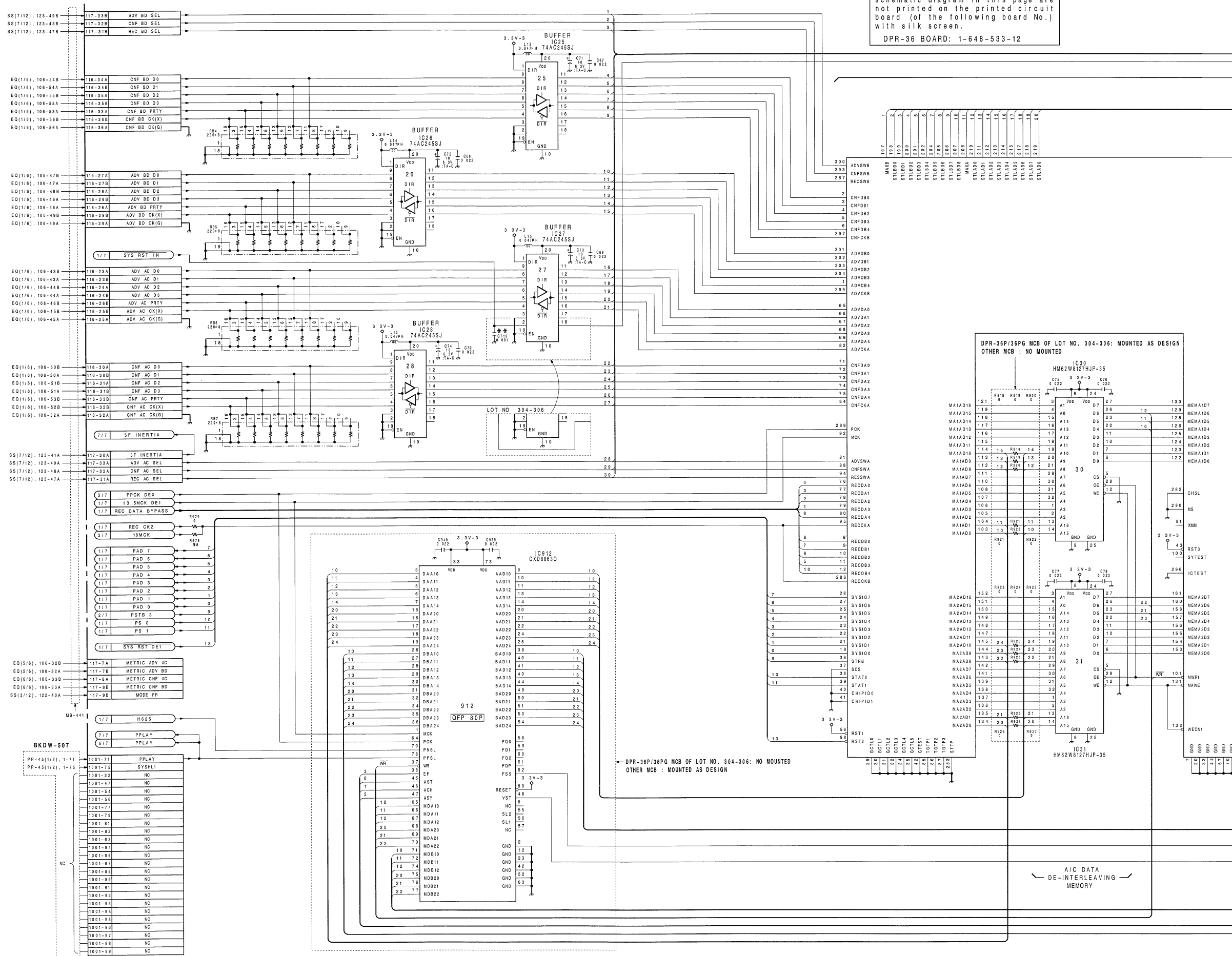
Concealment FIFO Memory
DPR-36 BOARD (4/7)

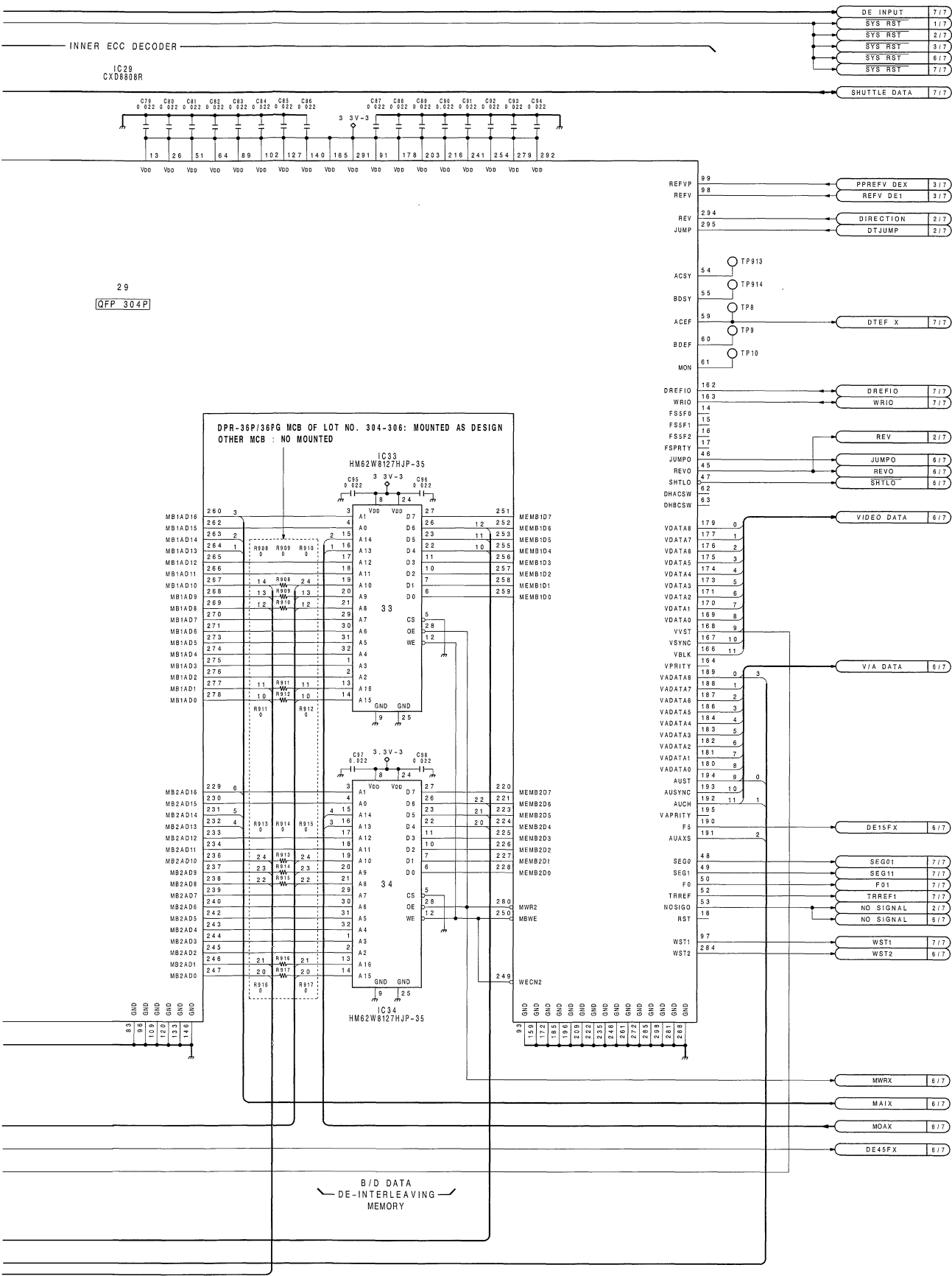
BOARD NO. 1-648-533-12
BOARD' S LOT NO. 304-409
DVW-A500(J, UC) :DPR-36 MCB
DVW-A500P(EK) :DPR-36P MCB
DVW-A500P(UC) :DPR-36PG MCB
DVW-500 (J, UC) :DPR-36 MCB
DVW-500P (EK) :DPR-36P MCB
DVW-500P (UC) :DPR-36PG MCB

DVW-DPR36-ALL-REC-SIM-52-B

The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit board (of the following board No.) with silk screen.

DPR-36 BOARD: 1-648-533-12





Inner ECC Decoder
DPR-36 BOARD (5/7)

BOARD NO. 1-648-533-12
BOARD'S LOT NO. 304-409
DVW-A500(J, UC) :DPR-36 MCB
DVW-A500P(EK) :DPR-36P MCB
DVW-A500P(UC) :DPR-36PG MCB
DVW-500 (J, UC) :DPR-36 MCB
DVW-500P (EK) :DPR-36P MCB
DVW-500P (UC) :DPR-36PG MCB

DVW-DPR36-ALL-REC-SIW-02-B

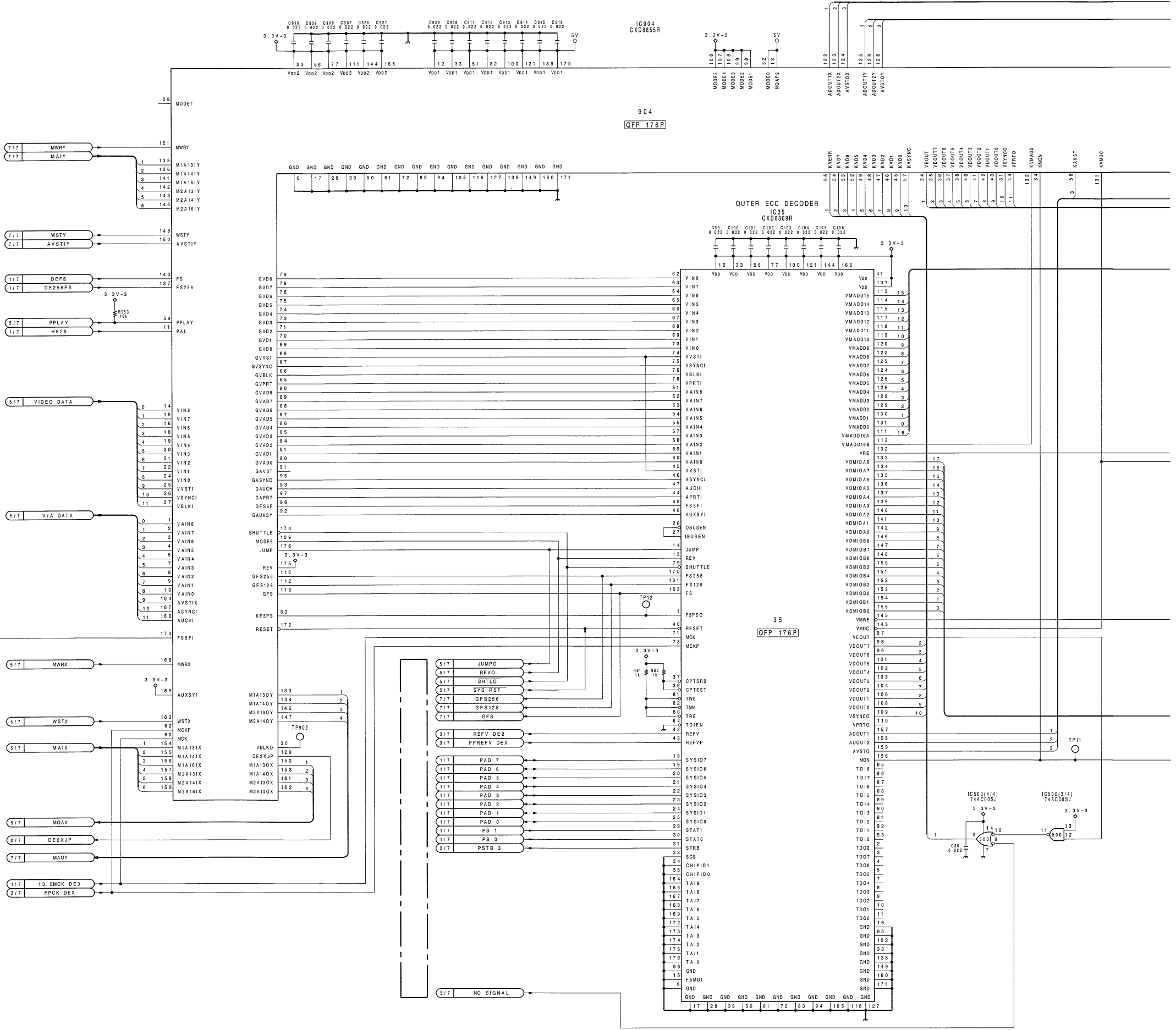
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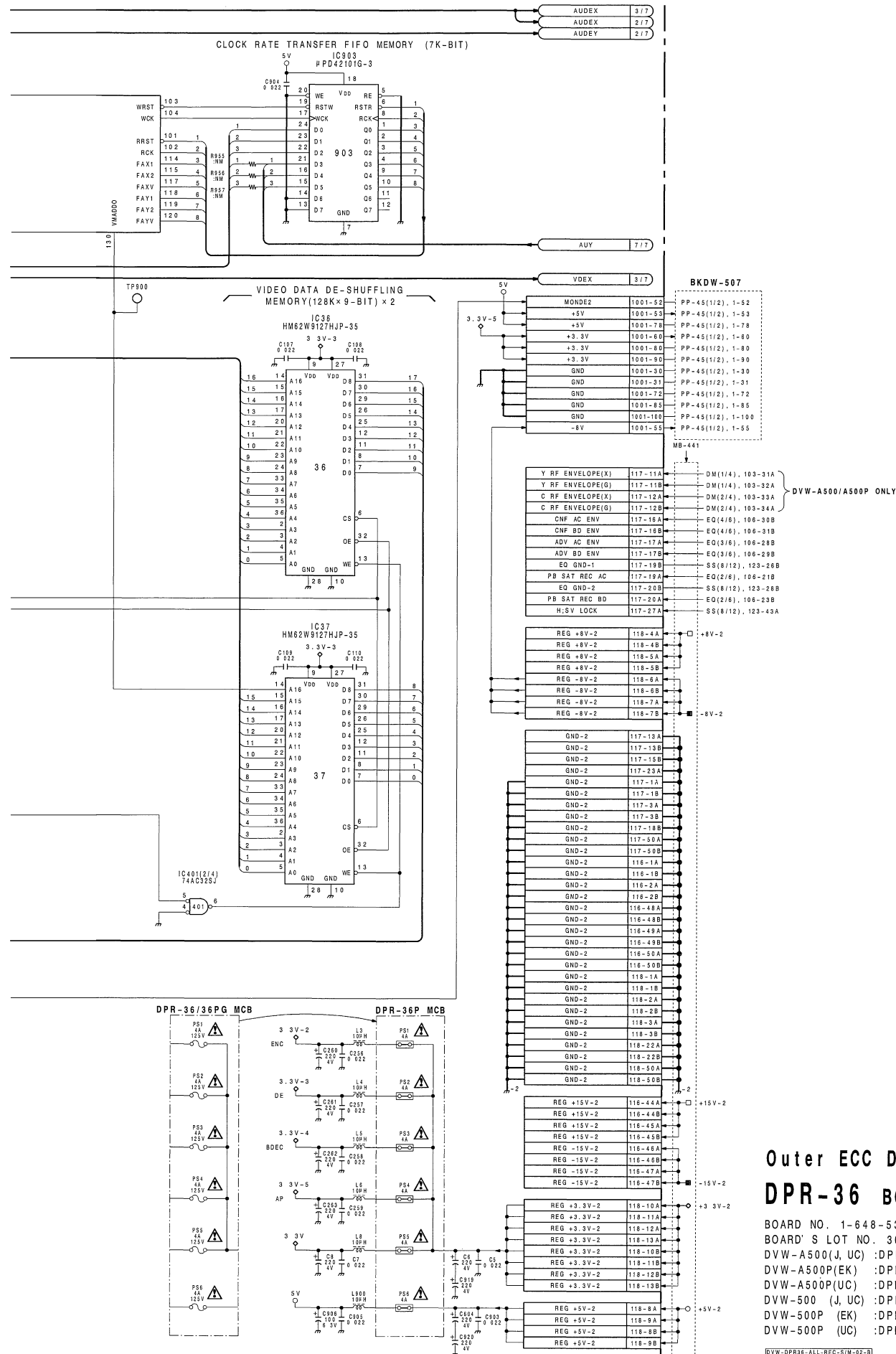
2

3

4

5



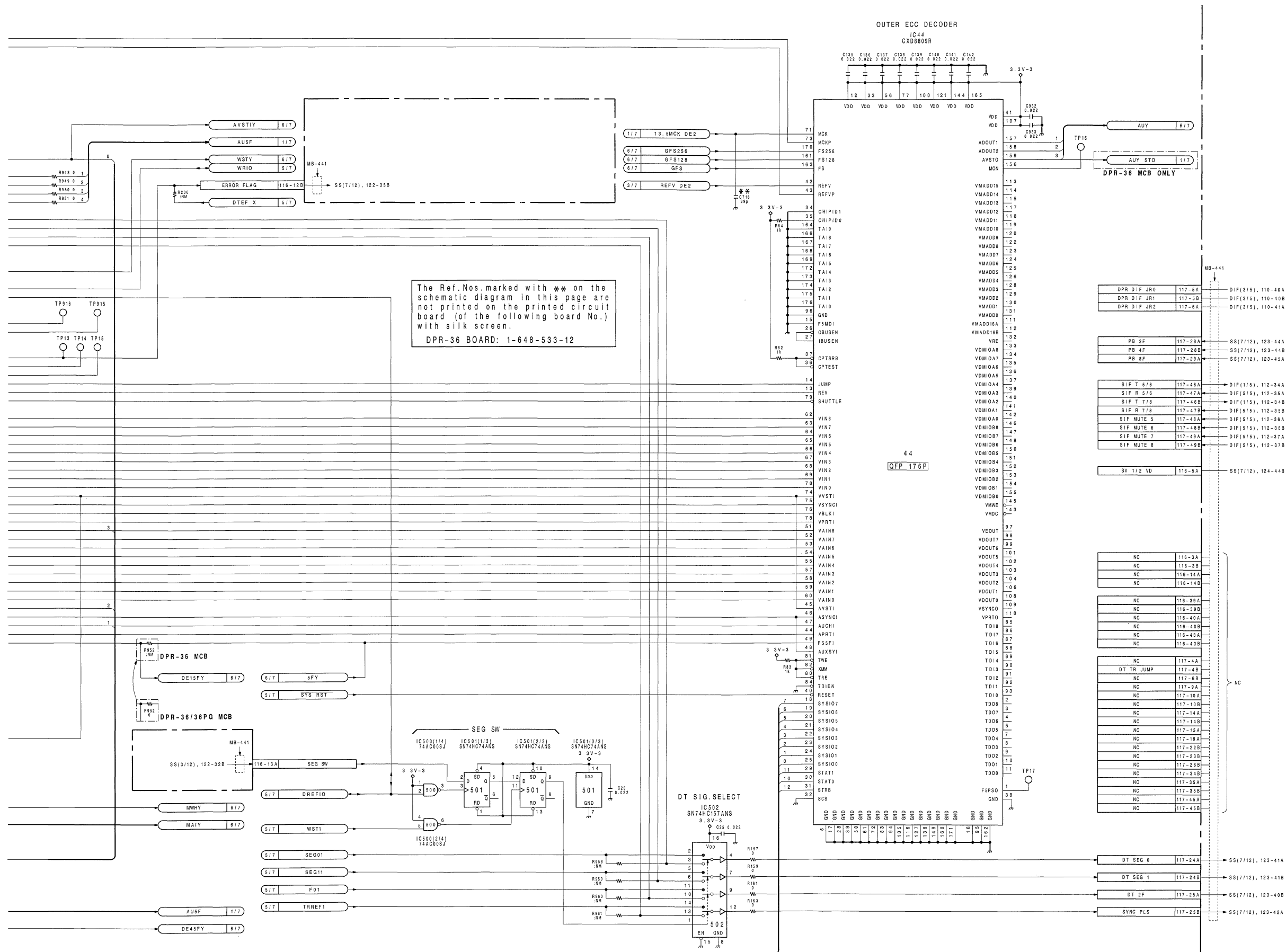


Outer ECC Decoder DPR-36 BOARD (6/7)

BOARD NO. 1-648-533-12
BOARD'S LOT NO. 304-409
DVW-A500(J, UC) : DPR-36 MCB
DVW-A500P(EK) : DPR-36P MCB
DVW-A500P(UC) : DPR-36PG MCB
DVW-500 (J, UC) : DPR-36 MCB
DVW-500P (EK) : DPR-36P MCB
DVW-500P (UC) : DPR-36PG MCB

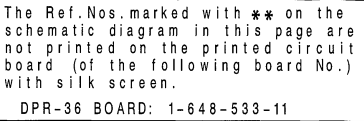
DVW-DPR36-ALL-REC-S/M-02-B





Inner/Outer ECC Decoder DPR-36 BOARD (7/7)

BOARD NO. 1-648-533-12
BOARD'S LOT NO. 304-409
DVW-A500P(J, UC) : DPR-36 MCB
DVW-A500P(EK) : DPR-36P MCB
DVW-A500P(UC) : DPR-36PG MCB
DVW-500 (J, UC) : DPR-36 MCB
DVW-500P (EK) : DPR-36P MCB
DVW-500P (UC) : DPR-36PG MCB



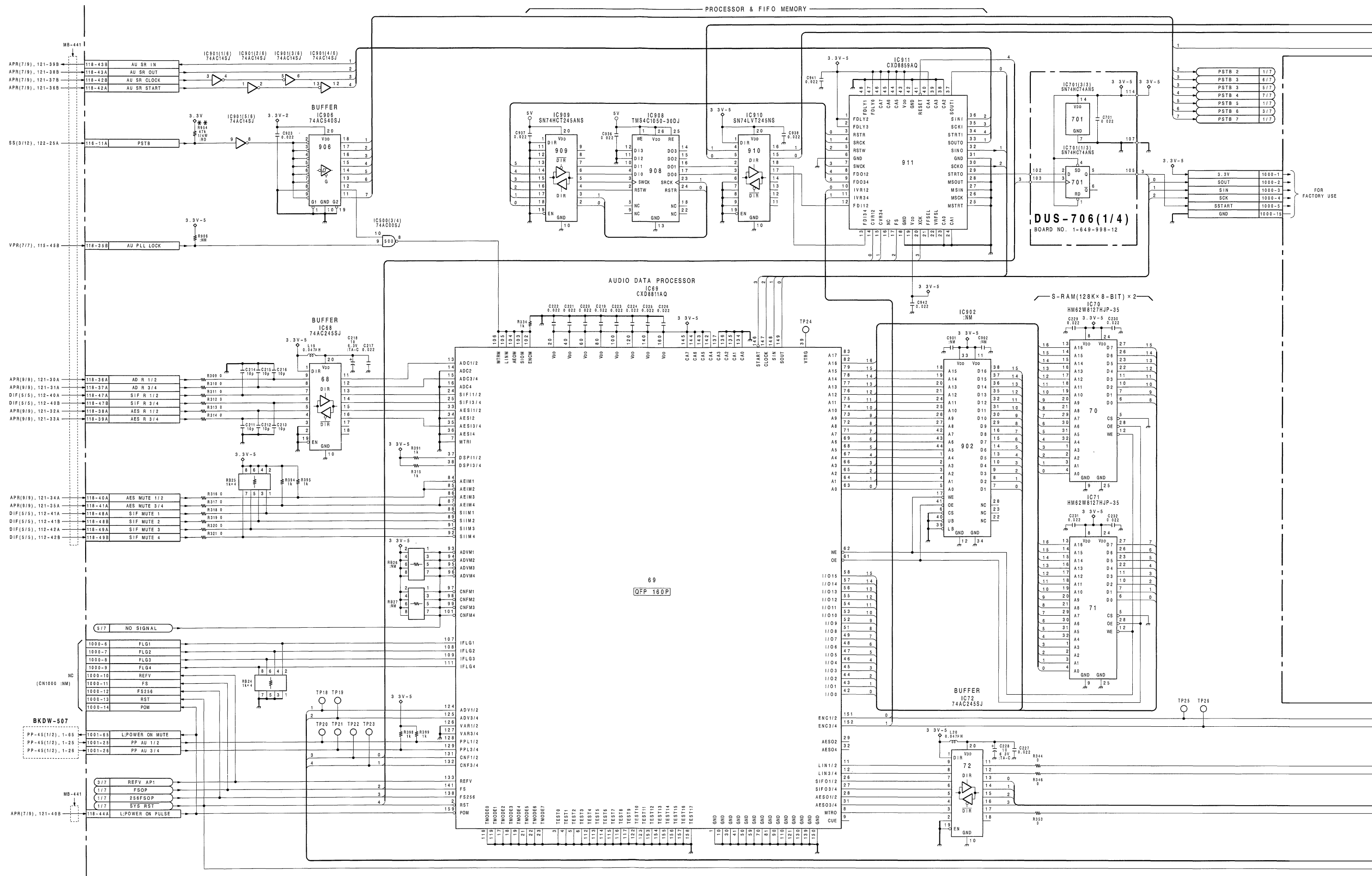
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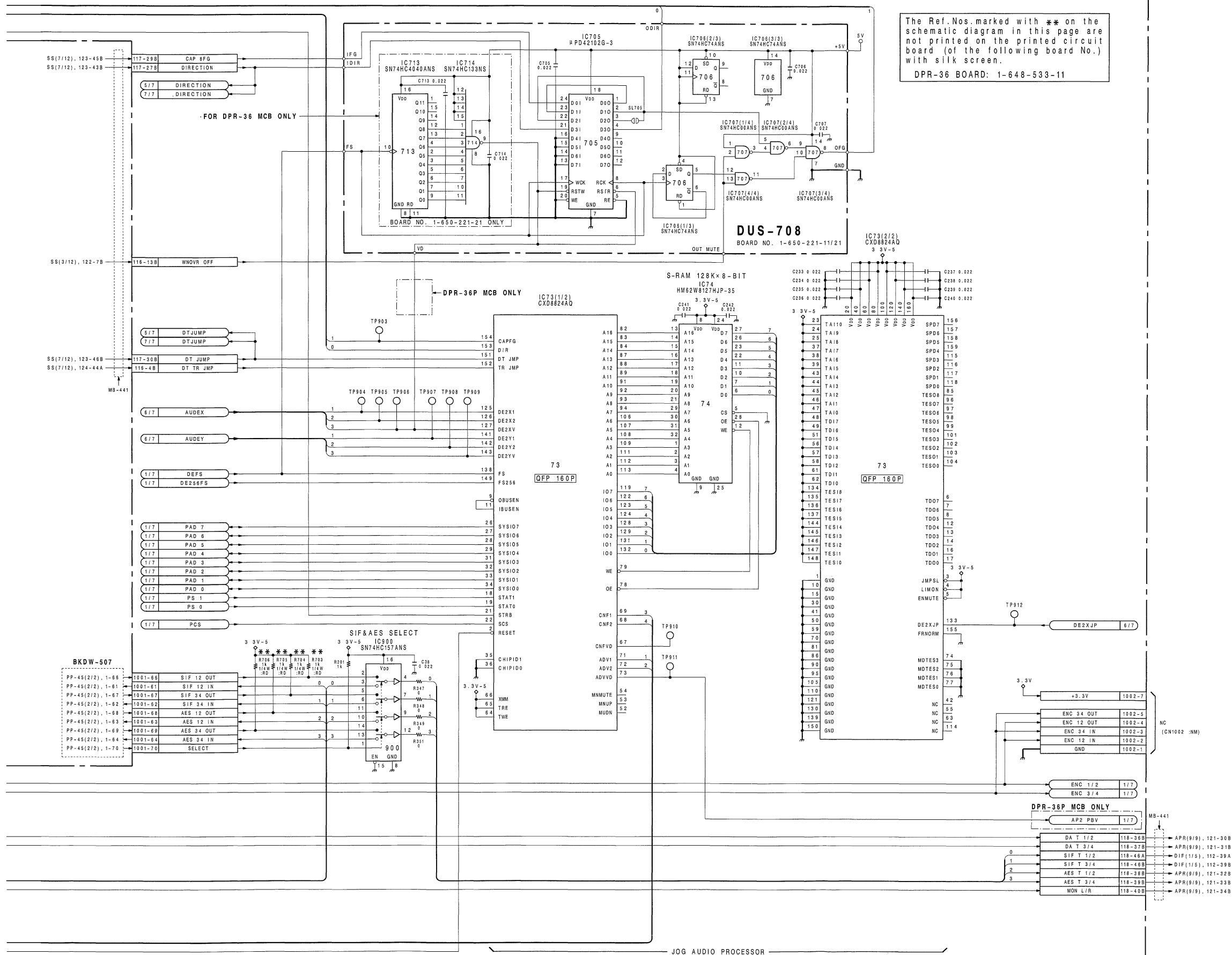
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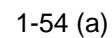
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4

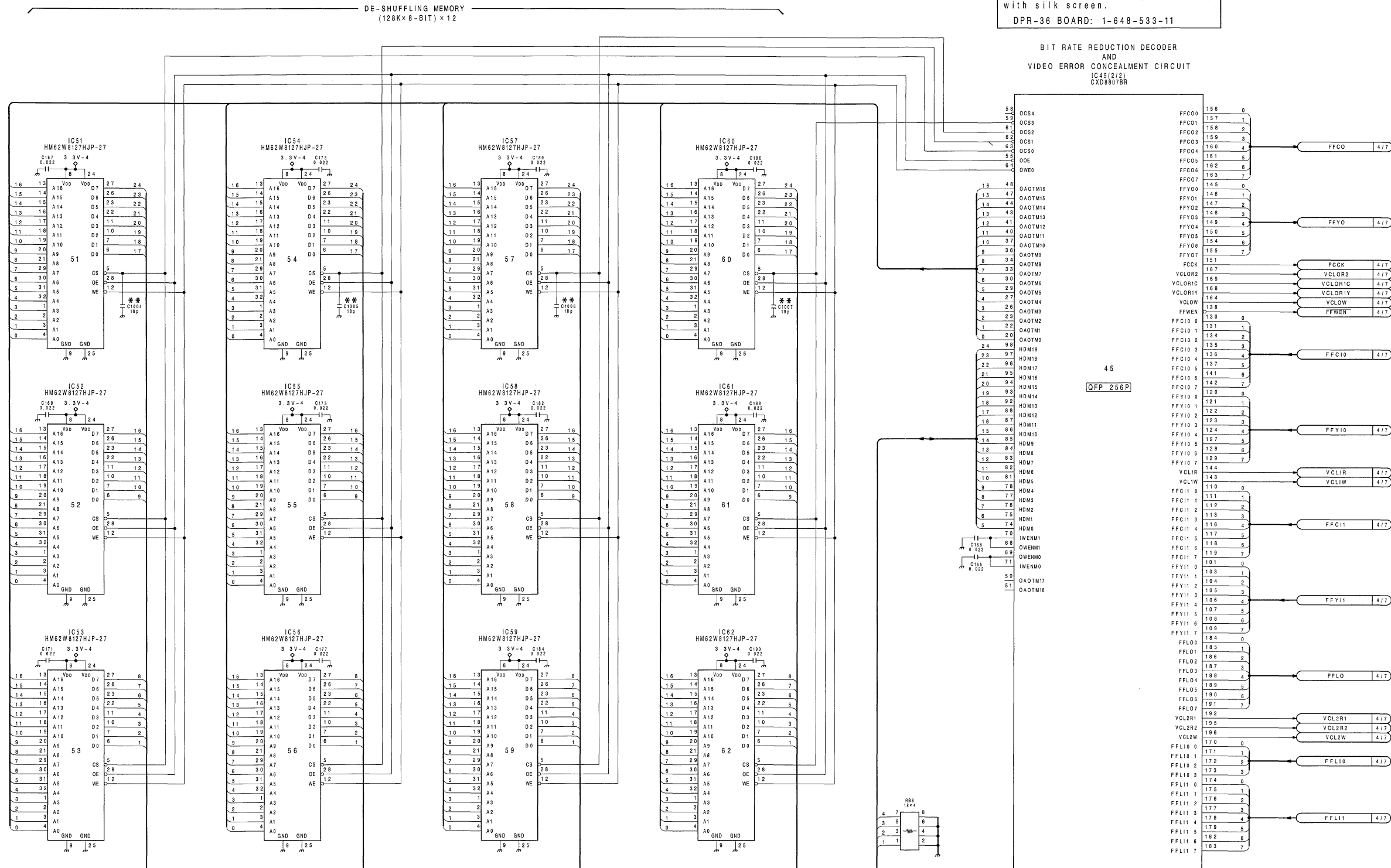
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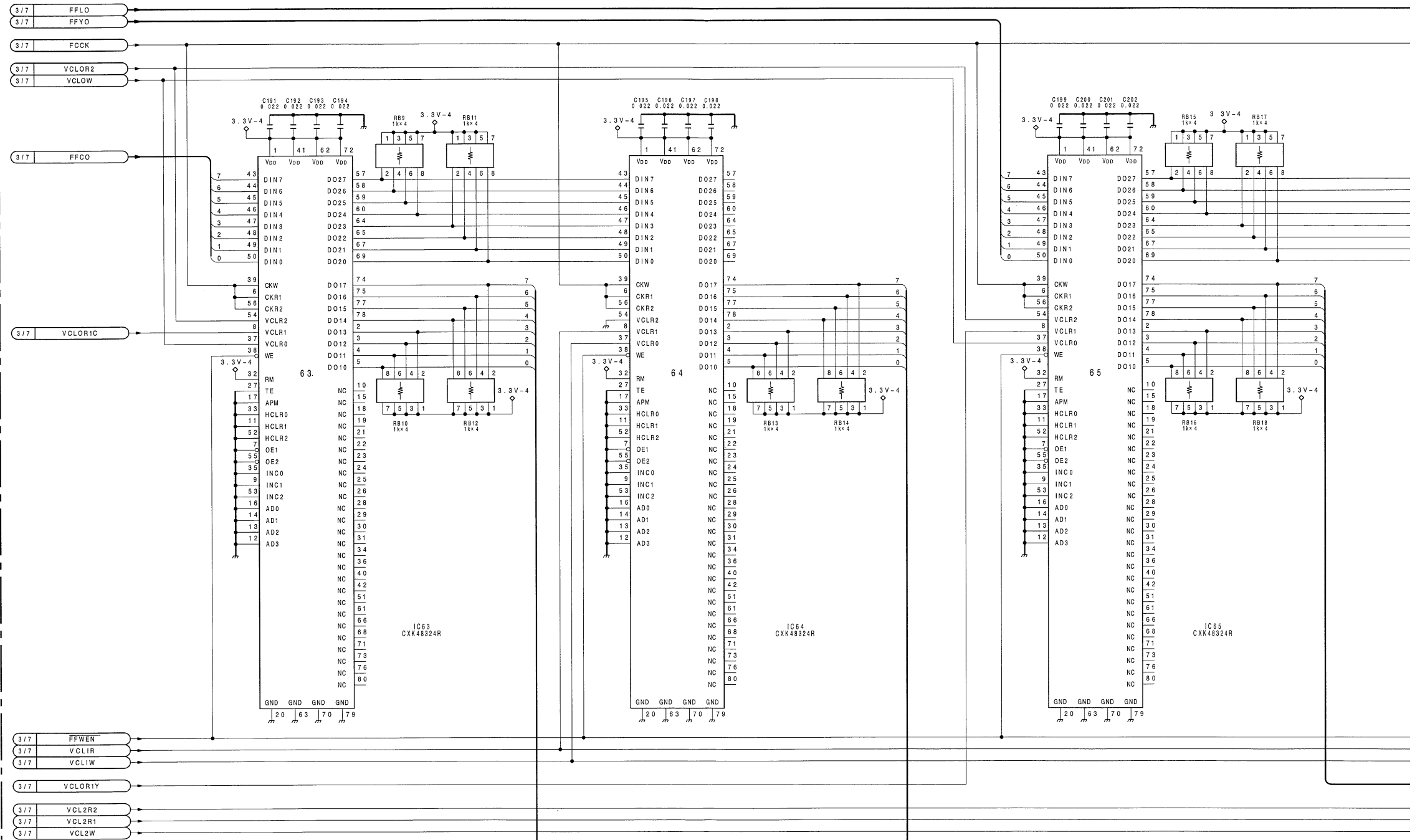
The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit board (of the following board No.) with silk screen.
DPR-36 BOARD: 1-648-533-11

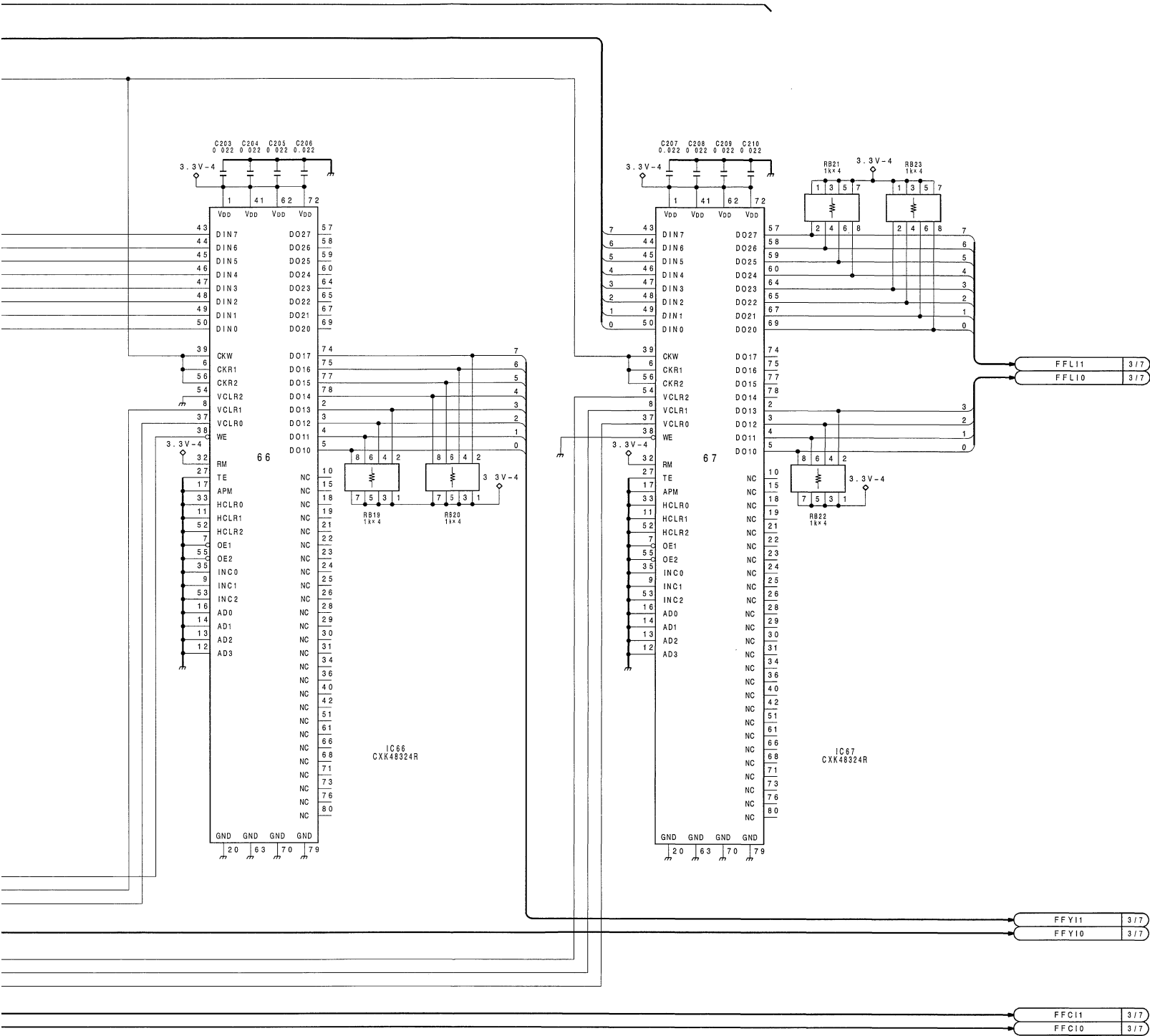


BIT Rate Reduction Decoder, Concealment Circuit DPR-36 BOARD (3/7)

BOARD NO. 1-648-533-11
BOARD'S LOT NO. 302-303
DVW-A500(J, UC) : DPR-36 MCB
DVW-A500P(EK) : DPR-36P MCB
DVW-500 (J, UC) : DPR-36 MCB
DVW-500P (EK) : DPR-36P MCB

DVW-DPR36-ALL-REC-SIM-02-A

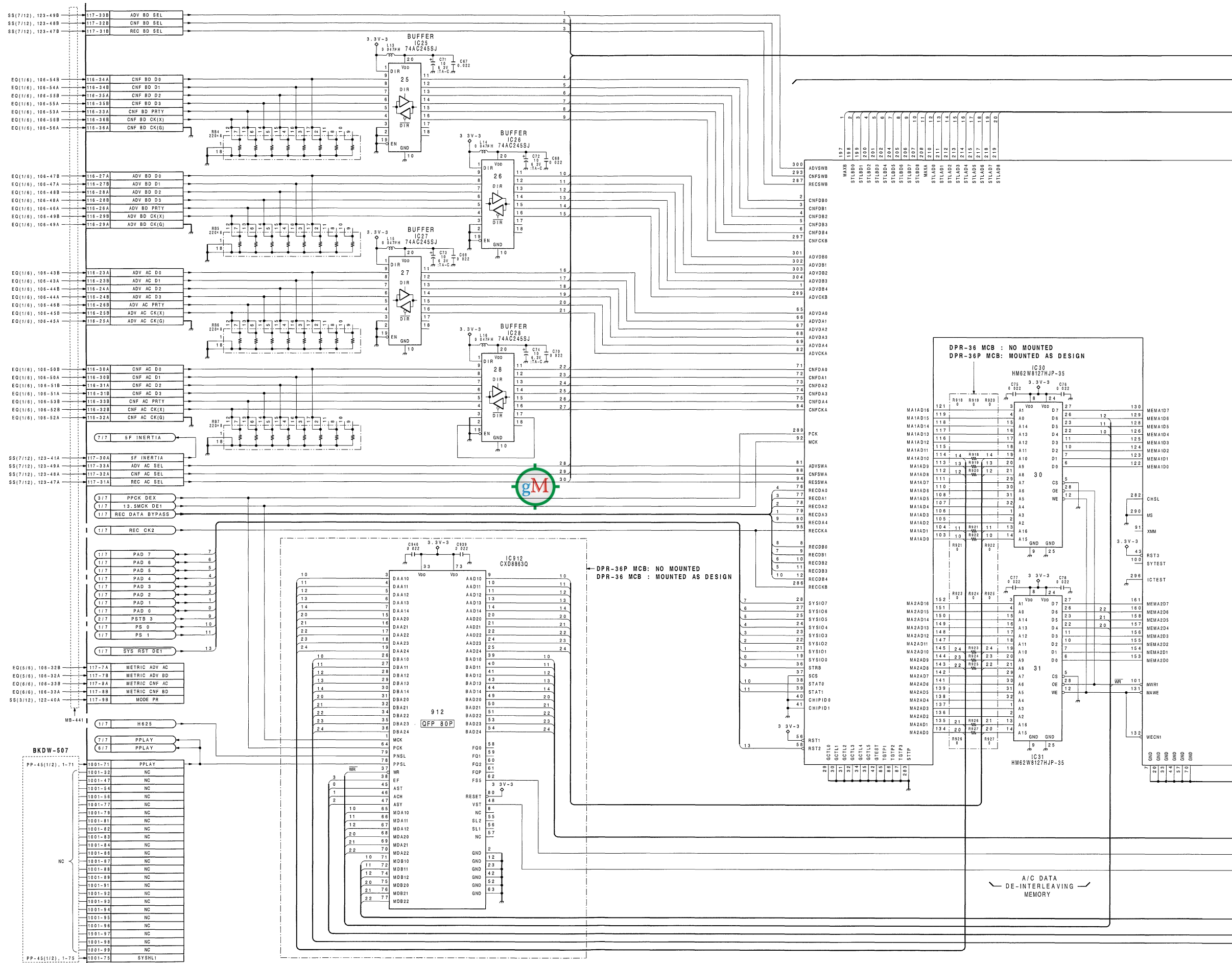




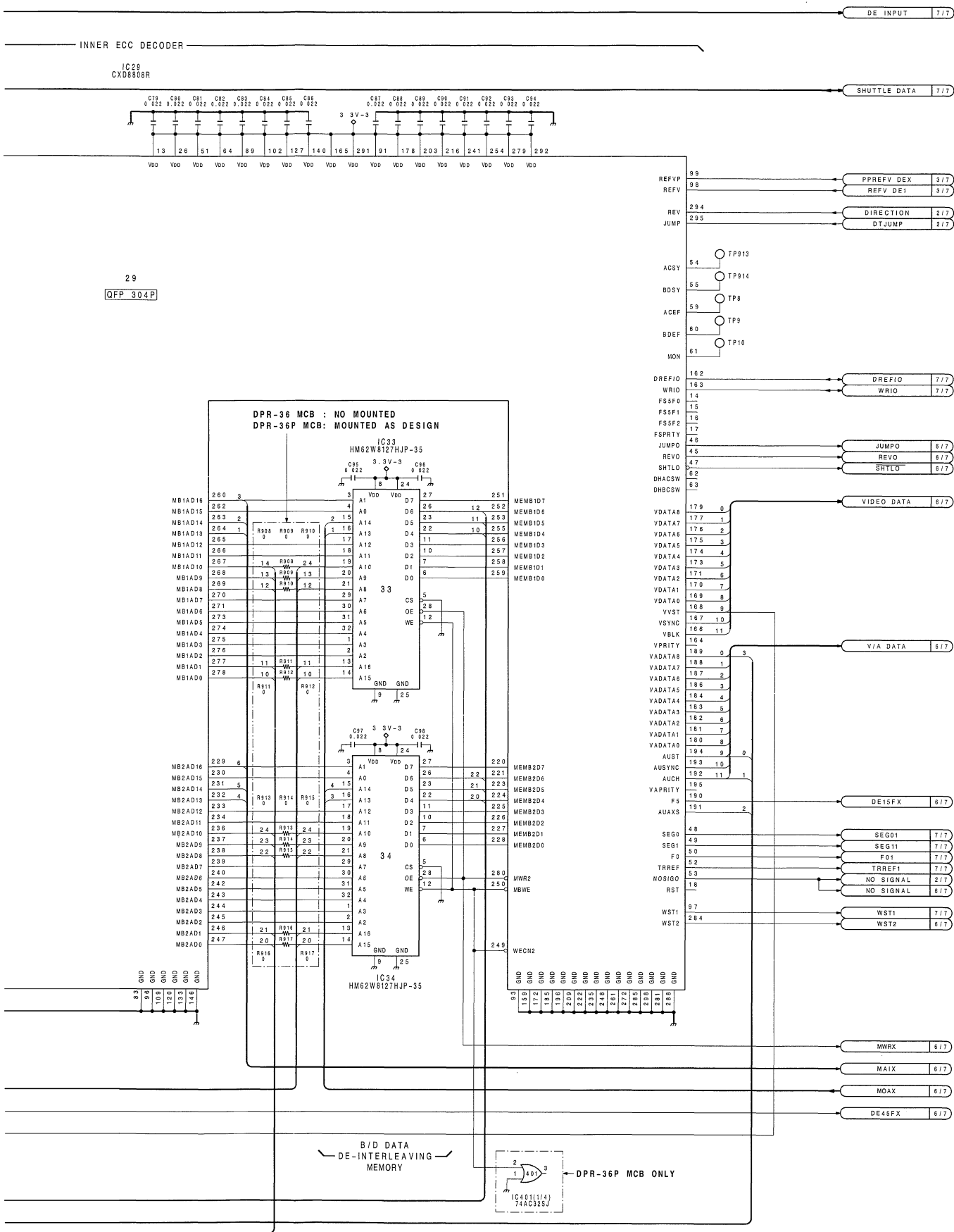
Concealment FIFO Memory
DPR-36 BOARD (4/7)

BOARD NO. 1-648-533-11
BOARD'S LOT NO. 302-303
DVW-A500(J, UC) :DPR-36 MCB
DVW-A500P(EK) :DPR-36P MCB
DVW-500 (J, UC) :DPR-36 MCB
DVW-500P (EK) :DPR-36P MCB

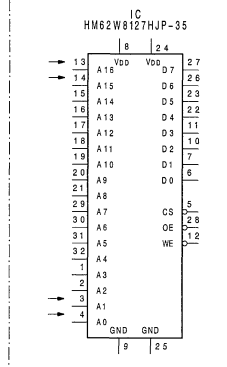
DVW-DPR36-ALL-REC-SIM-02-A



1-58 (a) 1-58 (a)



FOR DPR-36P MCB,
IC30, 31, 33 AND 34 ARE AS FOLLOWS:



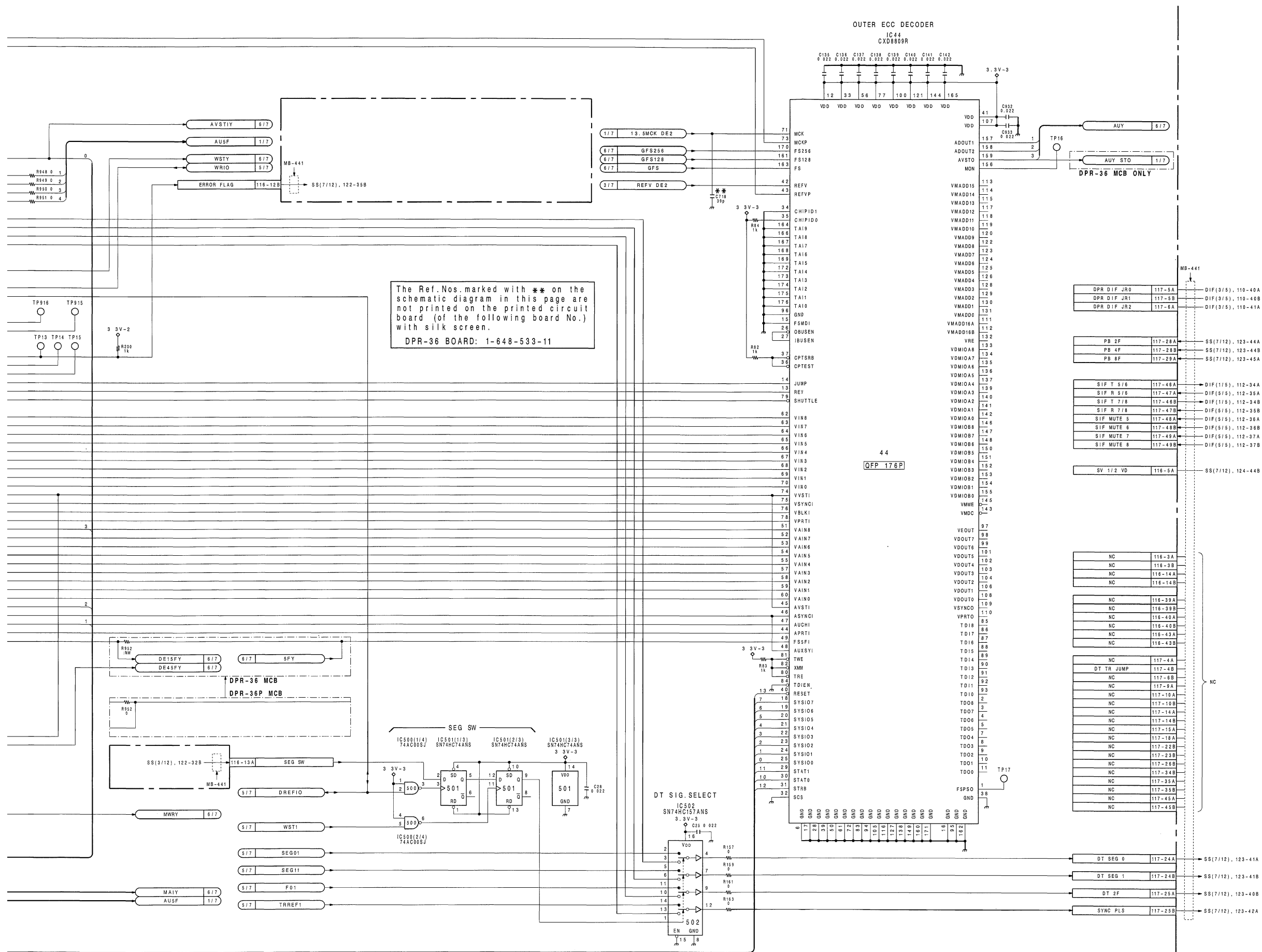
Inner ECC Decoder DPR-36 BOARD (5/7)

BOARD NO. 1-648-533-11
BOARD'S LOT NO. 302-303
DVW-A500(J, UC) : DPR-36 MCB
DVW-A500P(EK) : DPR-36P MCB
DVW-500 (J, UC) : DPR-36 MCB
DVW-500P (EK) : DPR-36P MCB

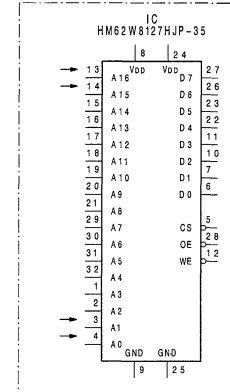
DVW-DPR36-ALL-REC-SIM-92-A

DPR-36 BOARD: 1-648-533-11





FOR DPR-36P MCB,
IC39, 40, 42 AND 43 ARE AS FOLLOWS:

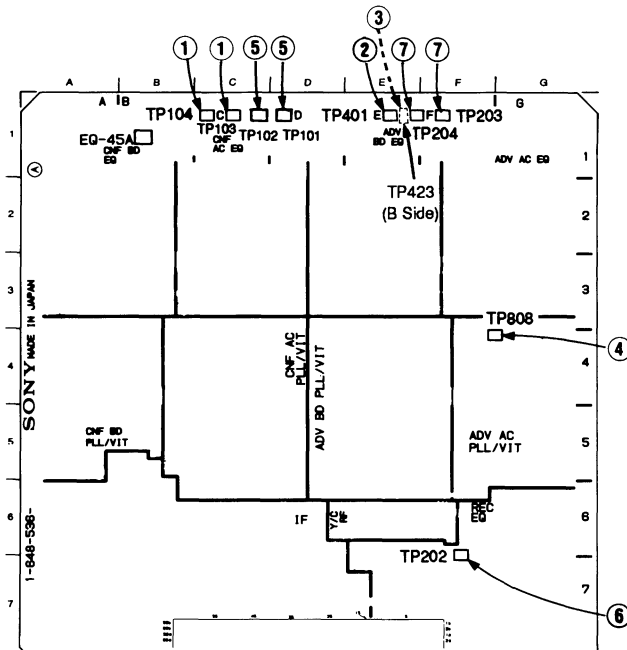


Inner/Outer ECC Decoder DPR-36 BOARD (7/7)

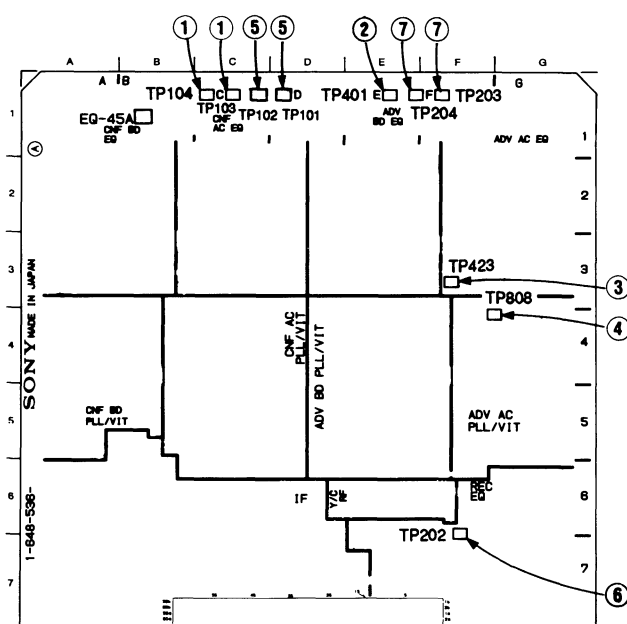
BOARD NO. 1-648-533-11
BOARD' S LOT NO. 302-303
DVW-A500(J, UC) : DPR-36 MCB
DVW-A500P(EK) : DPR-36P MCB
DVW-500 (J, UC) : DPR-36 MCB
DVW-500P (EK) : DPR-36P MCB

DVW-DPR36-ALL-REC-STM-92-A

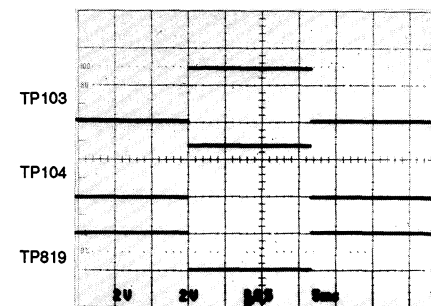
EQ-45 Board -A Side- (1-648-536-13/23)



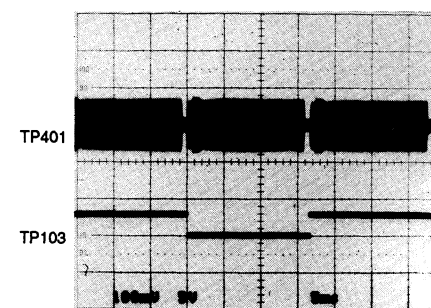
EQ-45 Board -A Side- (1-648-536-11, 12/22)

**CR5-1B PB mode
(DVW-A500 ONLY)**

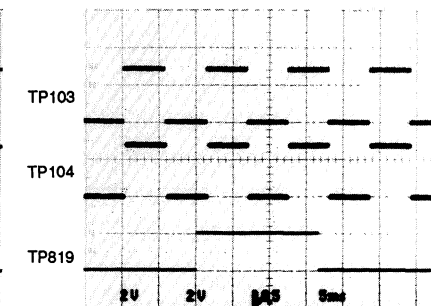
- ① TP103(C-1) PB mode
TP104(C-1) PB mode
TP819(SS-52)(J-1)(TRIG)



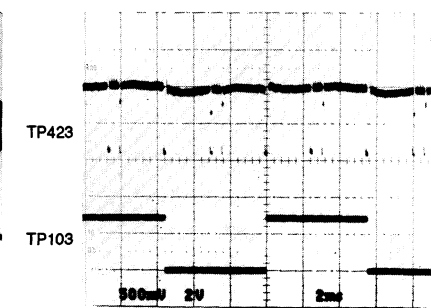
- ② TP401(E-1) PB mode(B/W LIMIT OFF)
TP103(C-1)(TRIG)

**ZR5-1 PB mode**

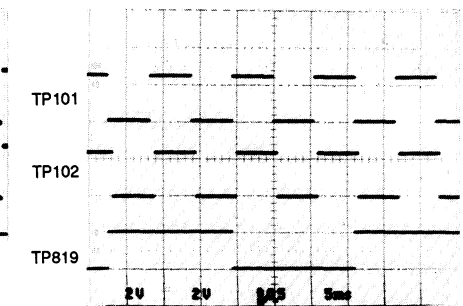
- ① TP103(C-1) PB mode
TP104(C-1) PB mode
TP819(SS-52)(J-1)(TRIG)



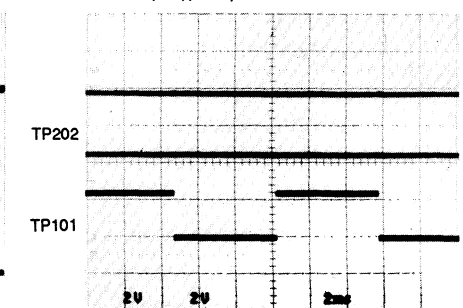
- ③ TP423 (E-1/F-3) PB mode
TP103(C-1)(TRIG)

**REC mode**

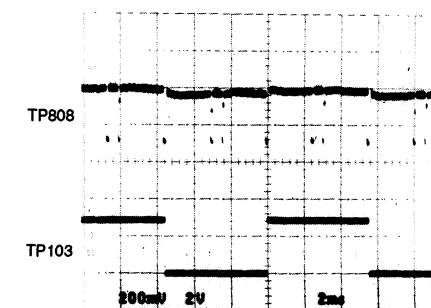
- ⑤ TP101(D-1) REC mode
TP102(C-1) REC mode
TP819(SS-52)(J-1)(TRIG)



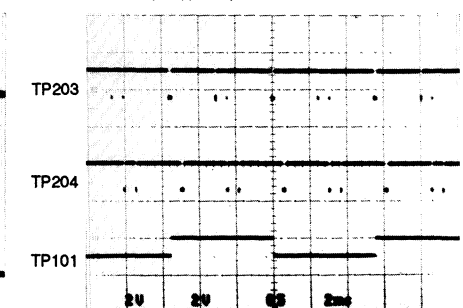
- ⑥ TP202(F-6) REC mode
TP101(D-1)(TRIG)



- ④ TP808(G-4) PB mode
TP103(C-1)(TRIG)



- ⑦ TP203(F-1) REC mode
TP204(E-1) REC mode
TP103(C-1)(TRIG)

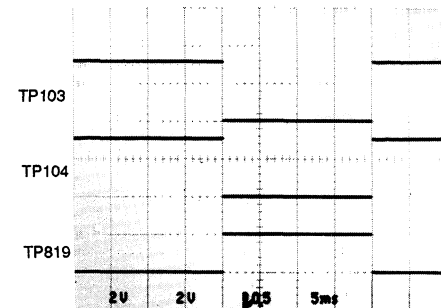


Measurement Condition
INPUT SIGNAL : 75% COLOR BARS
MODE : PB mode
 : REC mode
TAPE : ZR5-1
 : CR5-1B

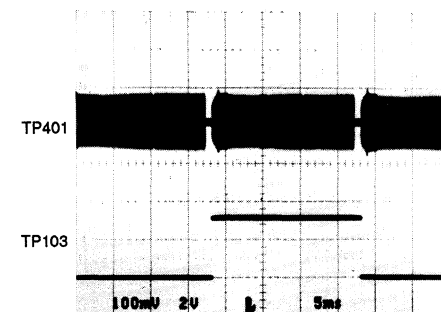
For DVW-A500/500

**CR5-1BPS PB mode
(DVW-A500P ONLY)**

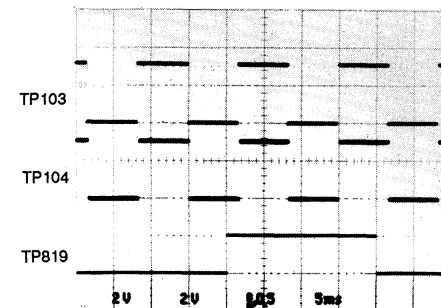
- ① TP103(C-1) PB mode
TP104(C-1) PB mode
TP819(SS-52A/52)(J-1)(TRIG)



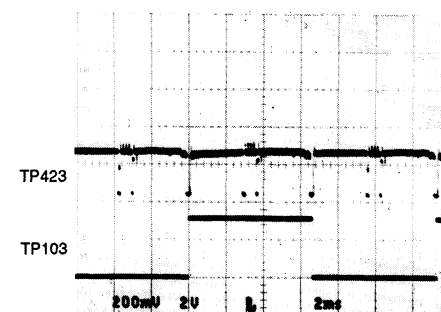
- ② TP401(E-1) PB mode(B/W LIMIT OFF)
TP103(C-1)(TRIG)


ZR5-1P PB mode

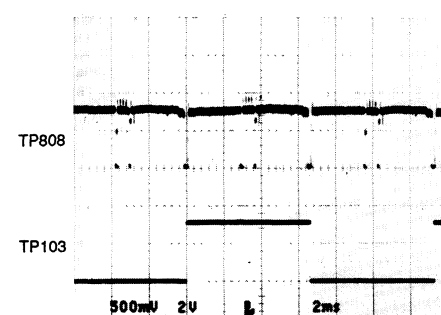
- ① TP103(C-1) PB mode
TP104(C-1) PB mode
TP819(SS-52A/52)(J-1)(TRIG)



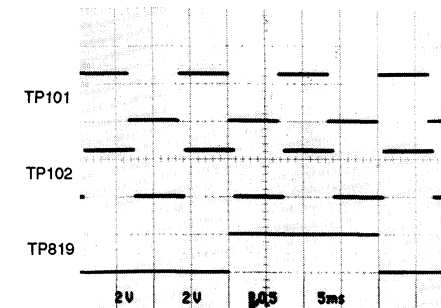
- ③ TP423 (E-1/F-3) PB mode
TP103(C-1)(TRIG)



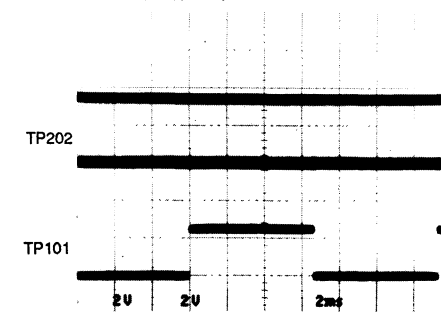
- ④ TP808(G-4) PB mode
TP103(C-1)(TRIG)


REC mode

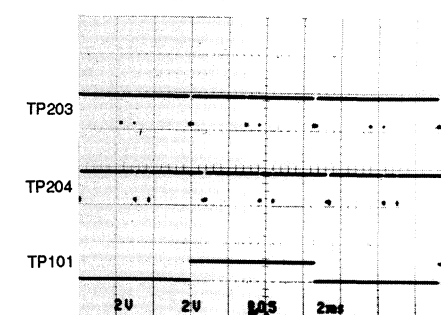
- ⑤ TP101(D-1) REC mode
TP102(C-1) REC mode
TP819(SS-52A/52)(J-1)(TRIG)



- ⑥ TP202(F-6) REC mode
TP101(D-1)(TRIG)



- ⑦ TP203(F-1) REC mode
TP204(E-1) REC mode
TP103(C-1)(TRIG)


Measurement Condition

INPUT SIGNAL : 100% COLOR BARS

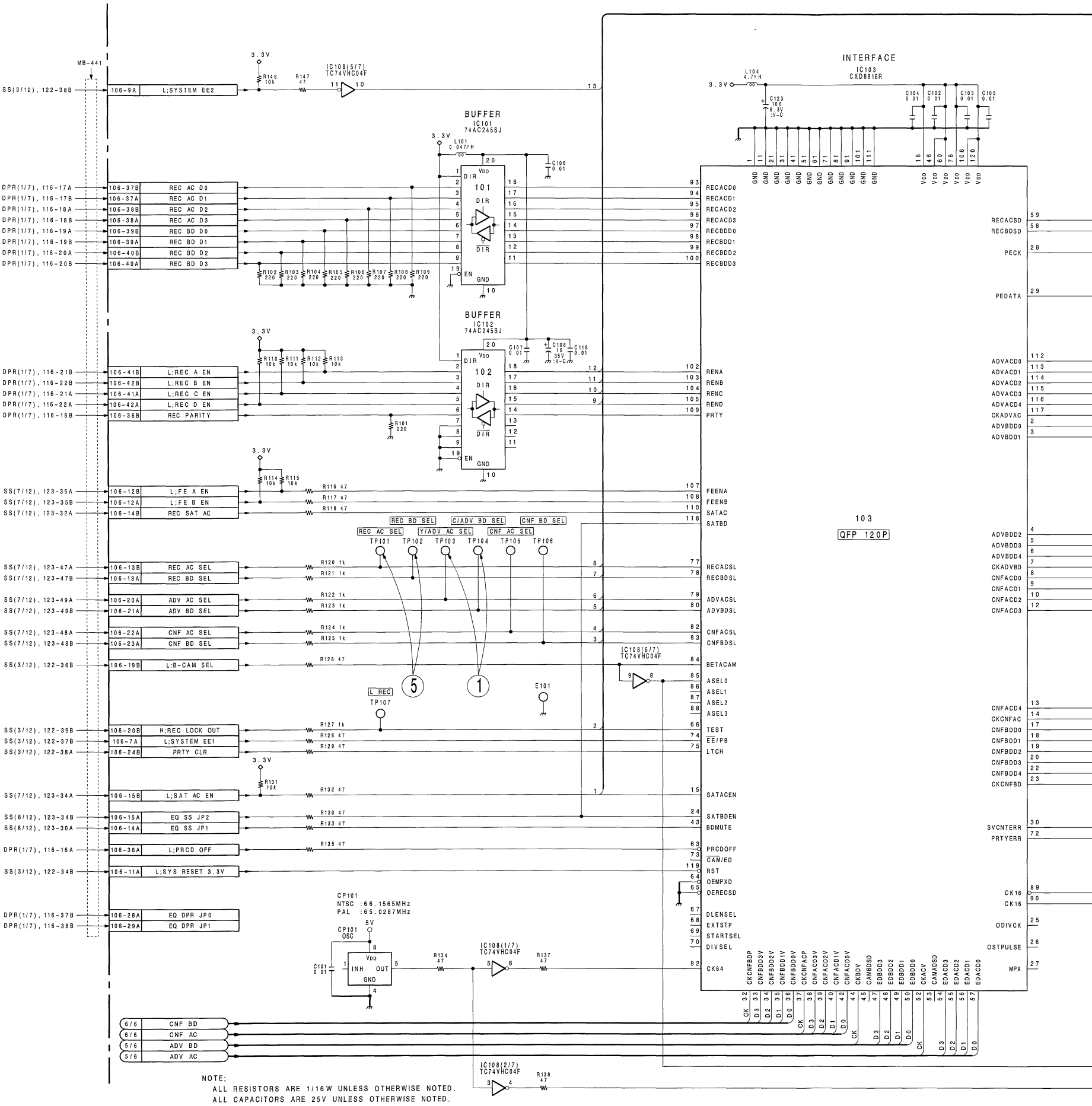
MODE : PB mode

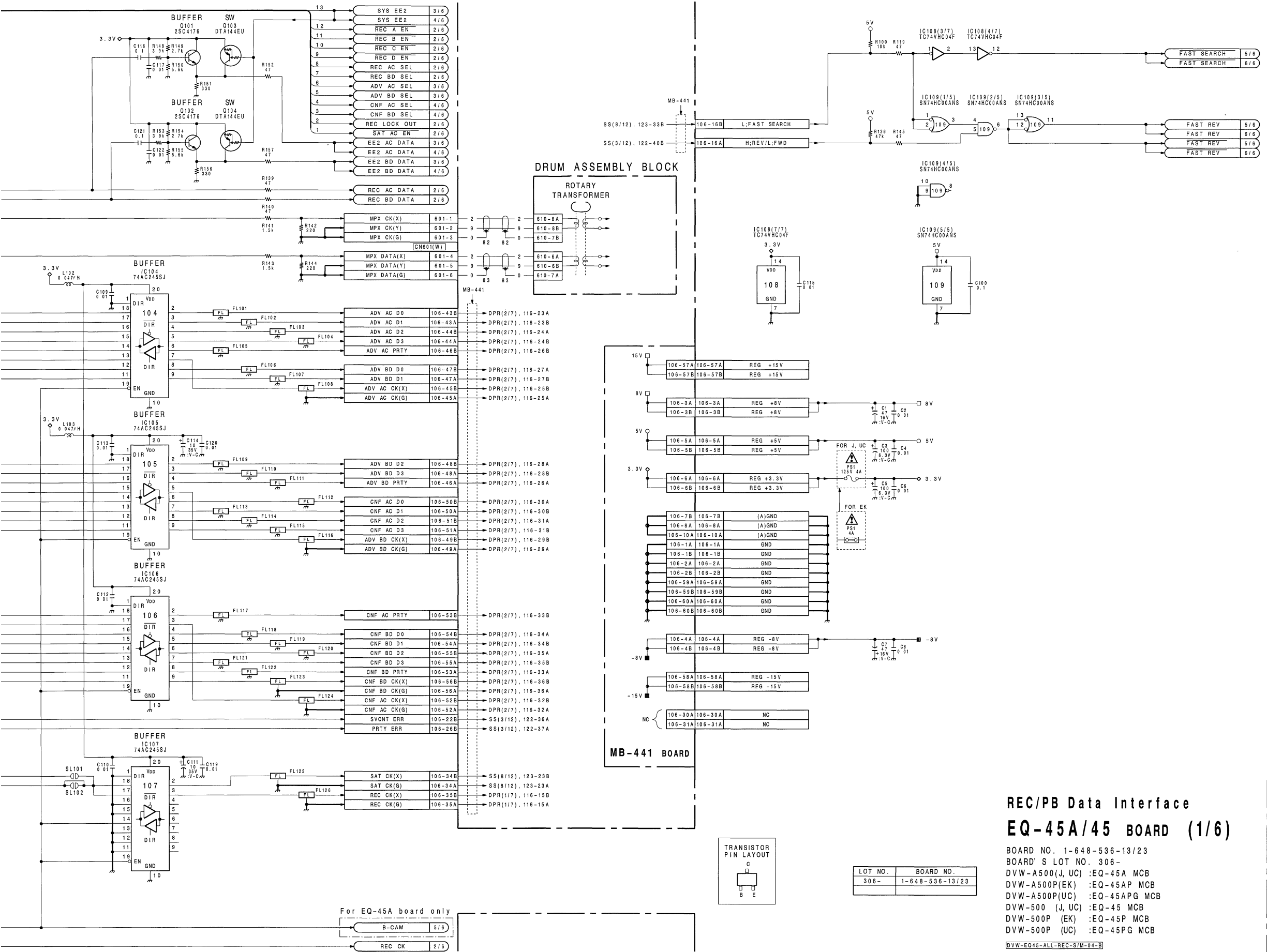
: REC mode

TAPE : ZR5-1P

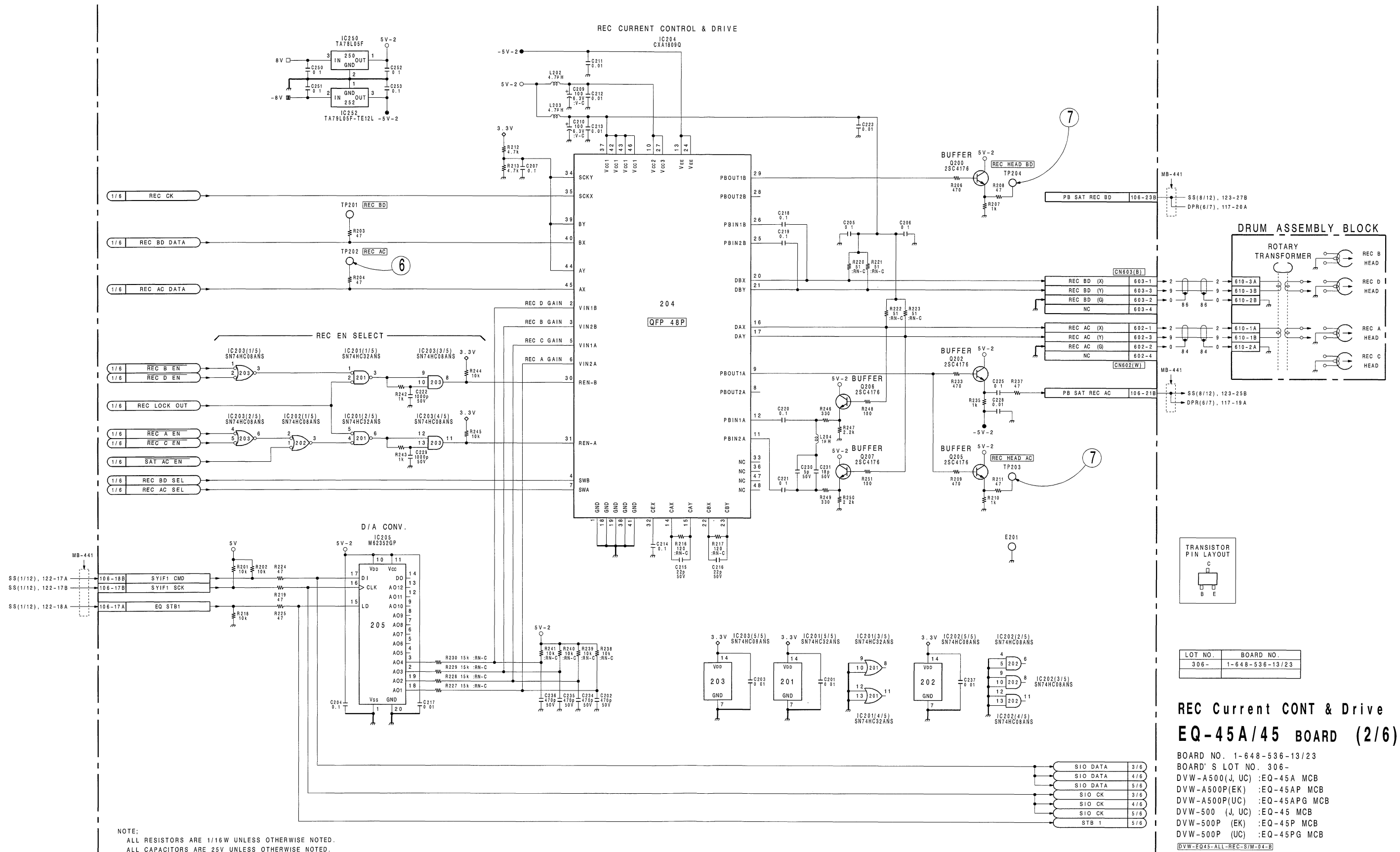
: CR5-1BPS

For DVW-A500P/500P

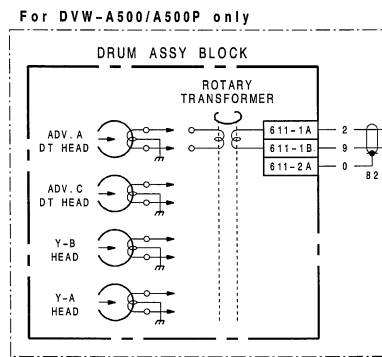




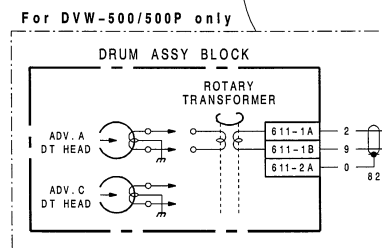




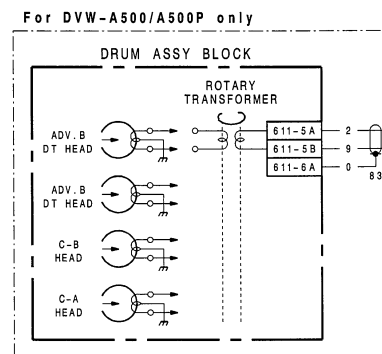
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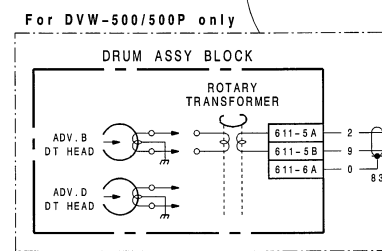
2



3



4

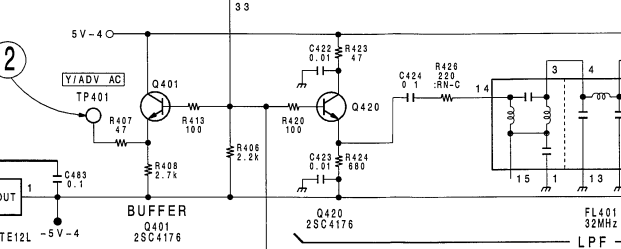
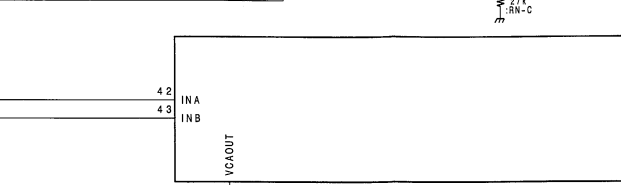
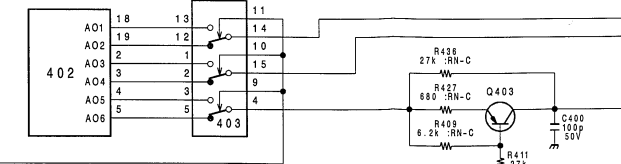


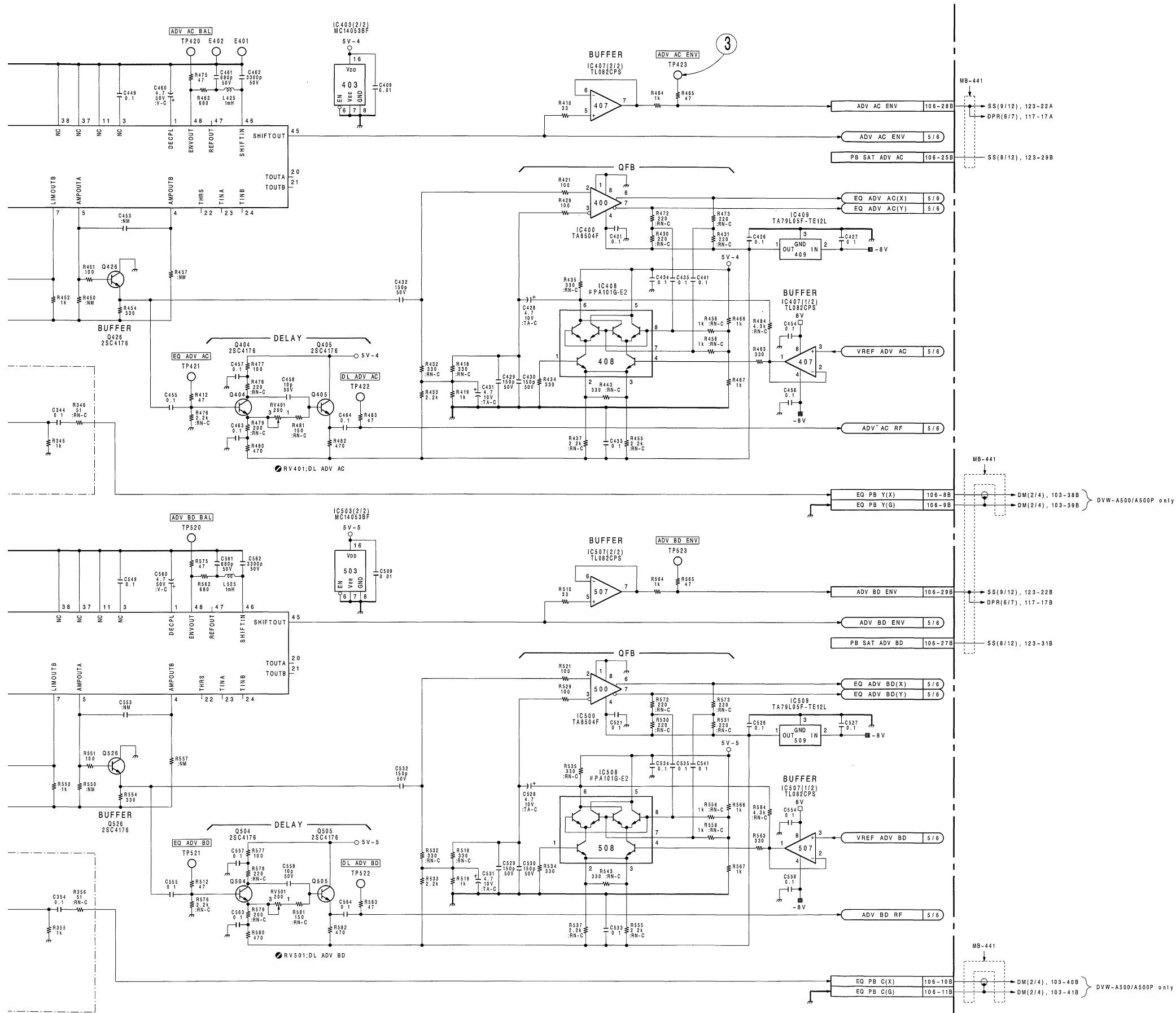
5

NOTE:
ALL RESISTORS ARE 1/16W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

D/A CONV. CONT. SIGNAL SEL. TEMPERATURE COMPENSATION

IC402(1/2) M62352GP IC403(1/2) MC14053BF Q403 2SA1610

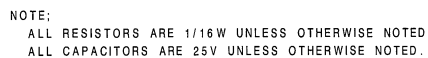


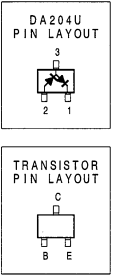
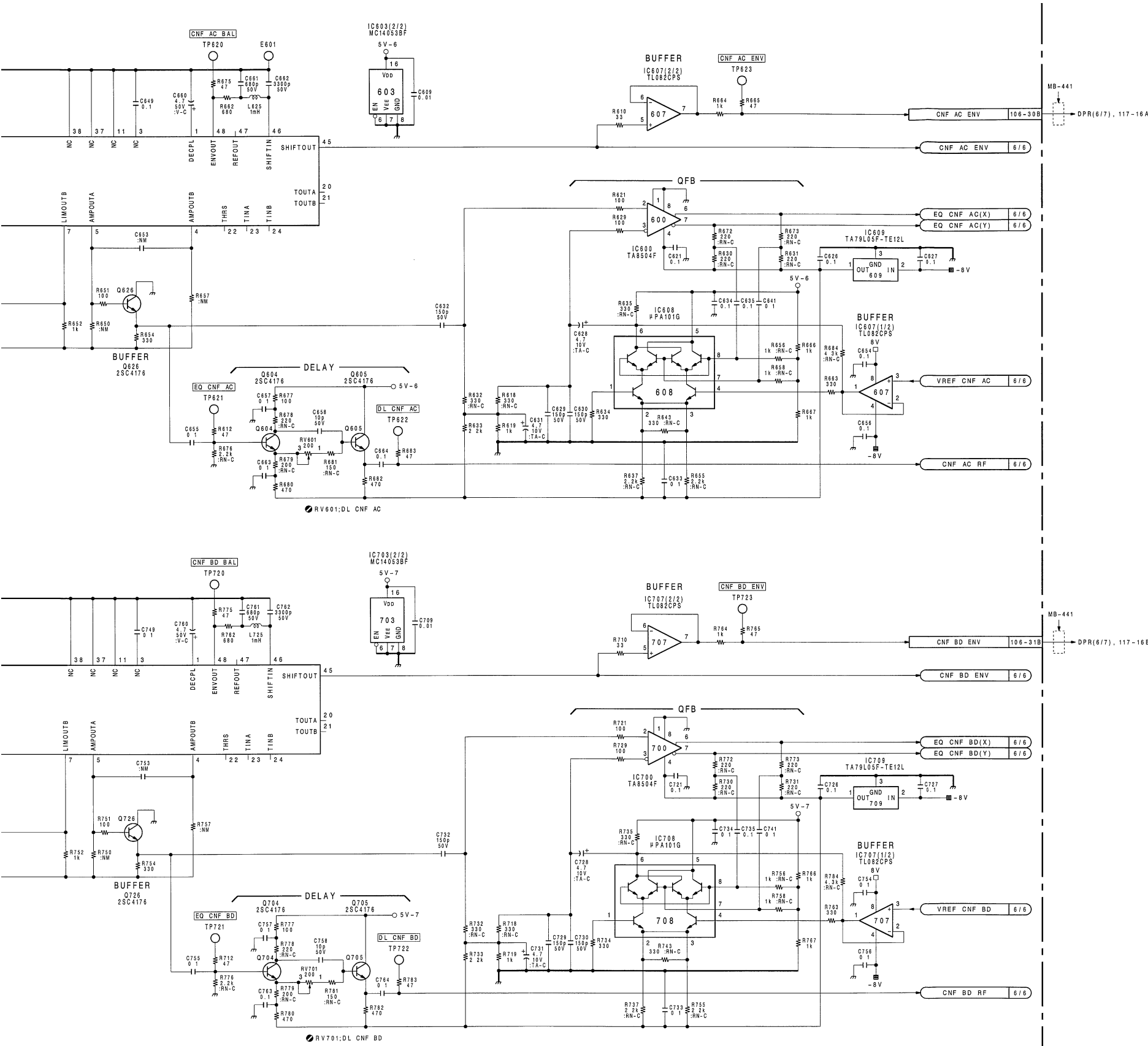


Advanced PB EQ

EQ-45A/45 BOARD (3/6)

BOARD NO. 1-648-539-13/23
BOARD'S LOT NO. 306-
DVW-A500(J, UC) :EQ-45A MCB
DVW-A500P(EK) :EQ-45AP MCB
DVW-A500P(UC) :EQ-45APG MCB
DVW-500 (J, UC) :EQ-45 MCB
DVW-500P (EK) :EQ-45P MCB
DVW-500P (UC) :EQ-45PG MCB



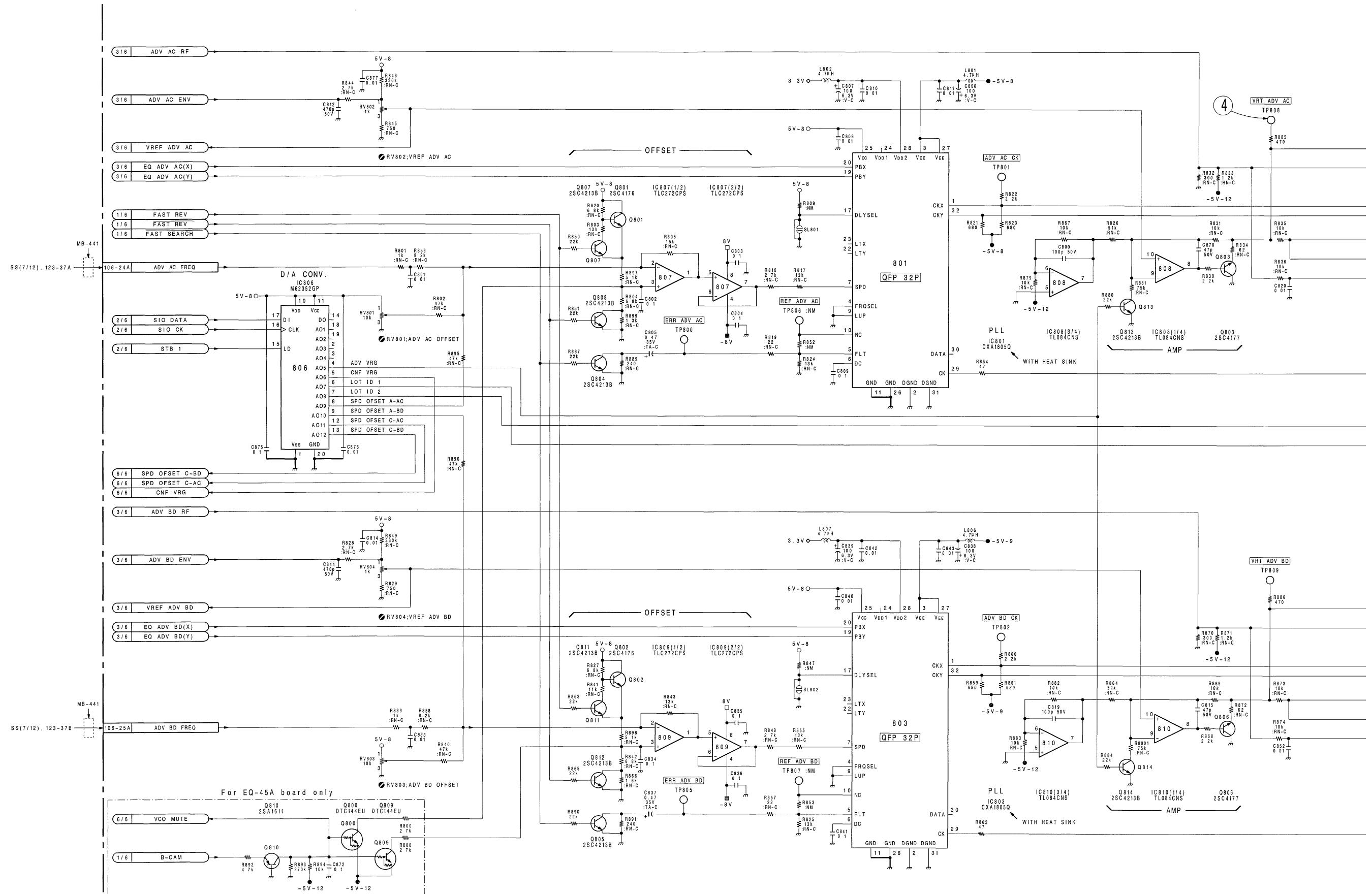


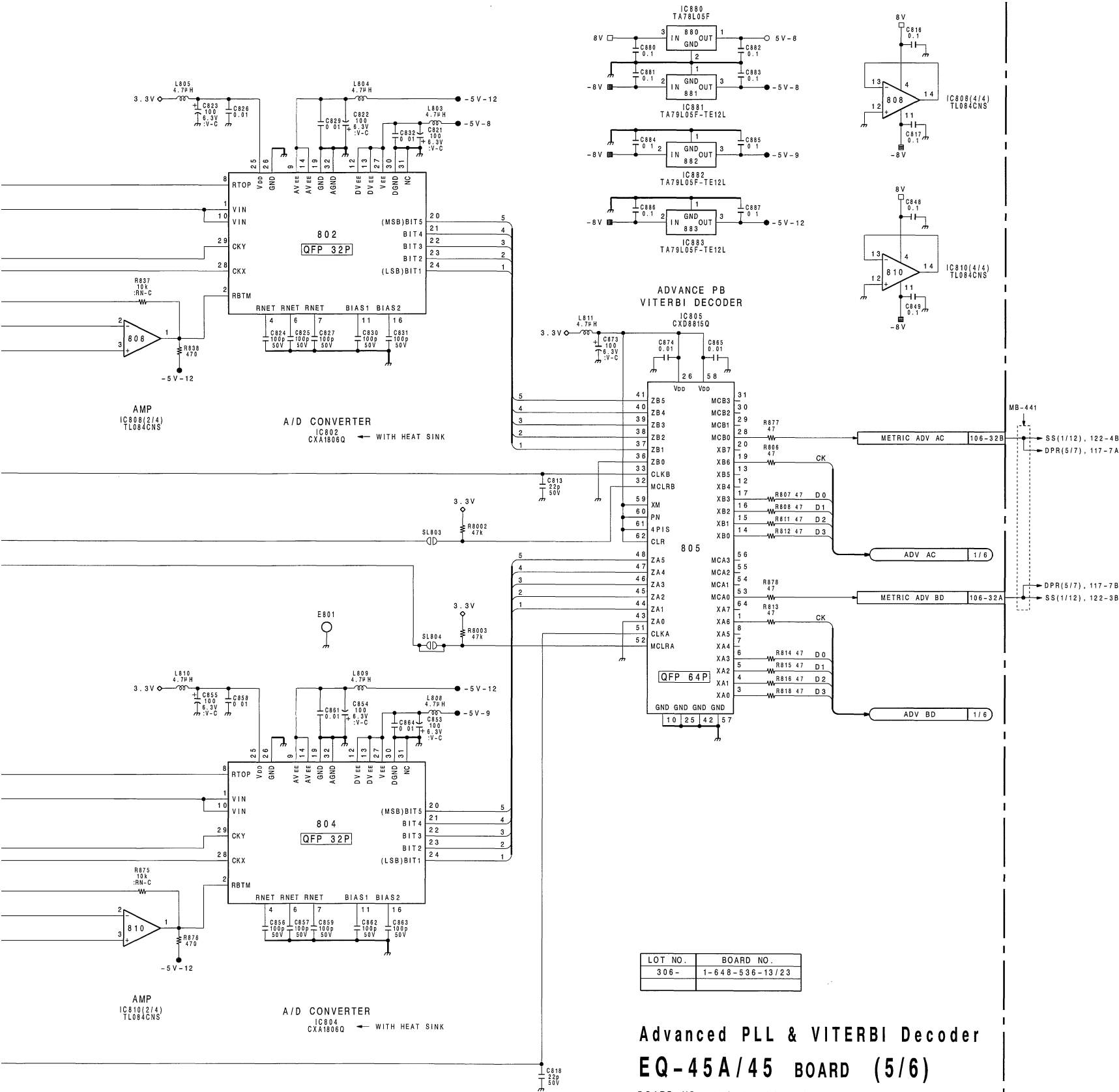
LOT NO.	BOARD NO.
306-	1-648-536-13/23

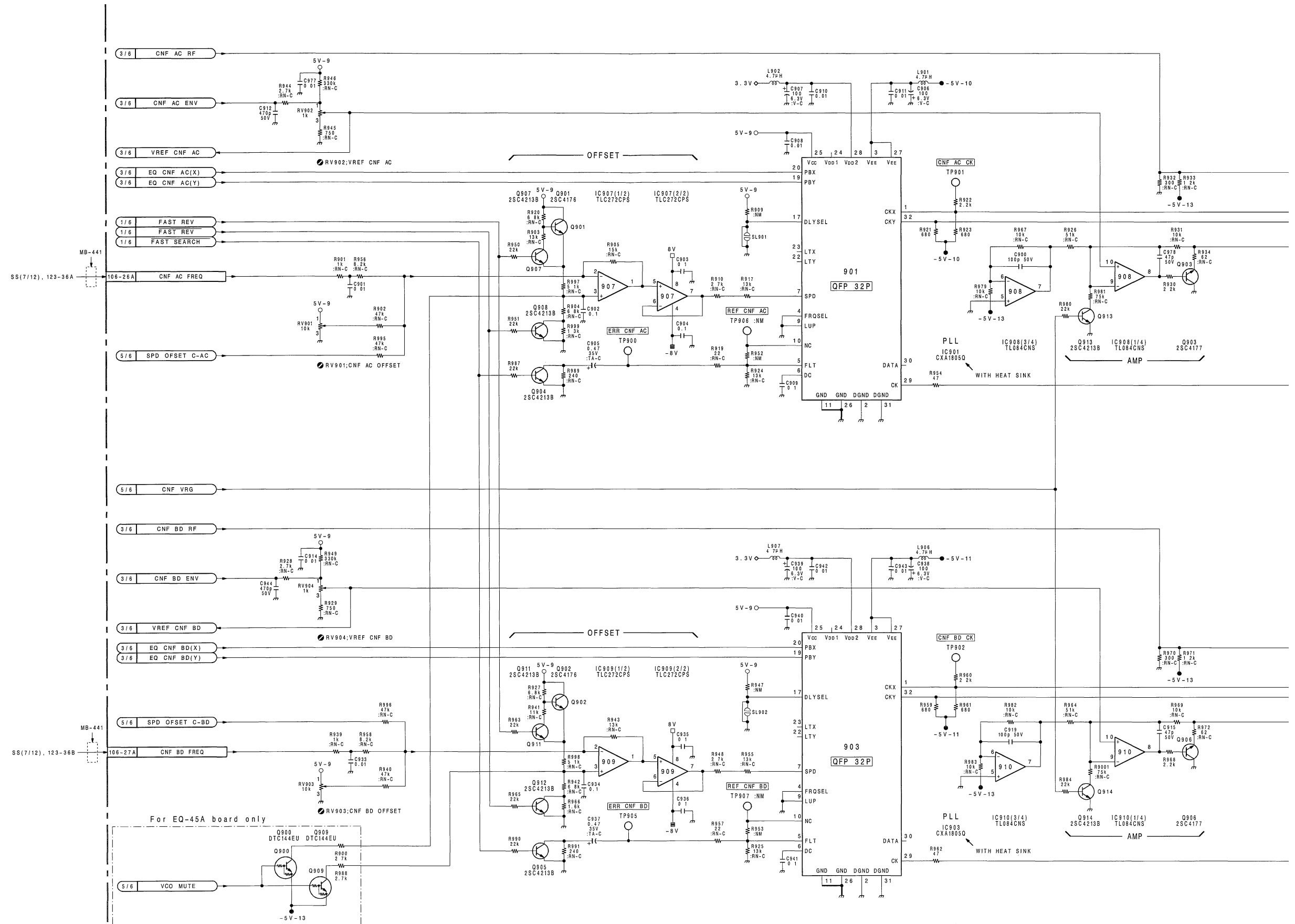
Confi PB EQ
EQ-45A/45 BOARD (4/6)

BOARD NO. 1-648-536-13/23
BOARD'S LOT NO. 306-
DVW-A500(J, UC) :EQ-45A MCB
DVW-A500P(EK) :EQ-45AP MCB
DVW-A500P(UC) :EQ-45APG MCB
DVW-500 (J, UC) :EQ-45 MCB
DVW-500P (EK) :EQ-45P MCB
DVW-500P (UC) :EQ-45PG MCB

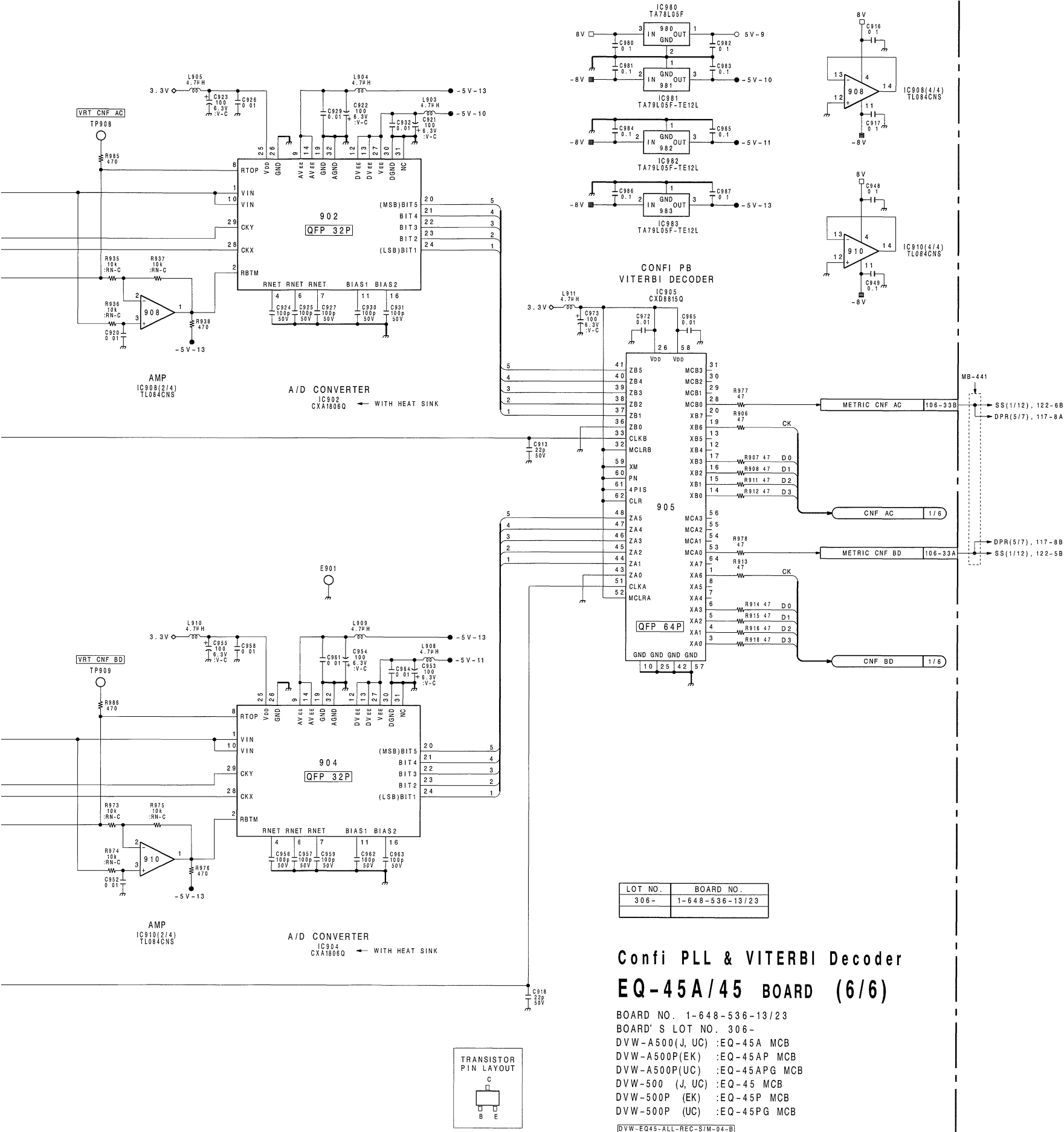
DVW-EQ45-ALL-REG-S/M-04-B

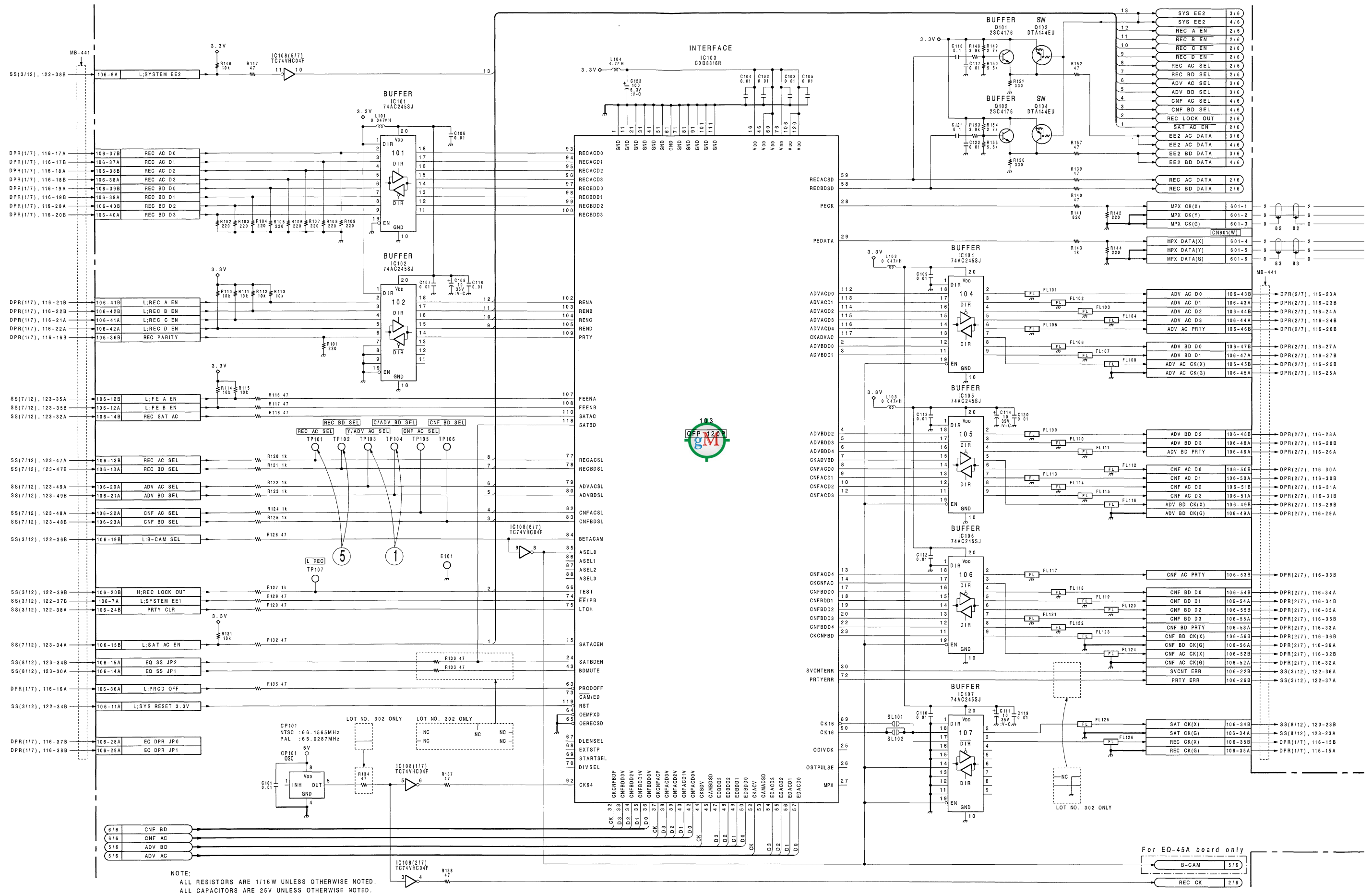


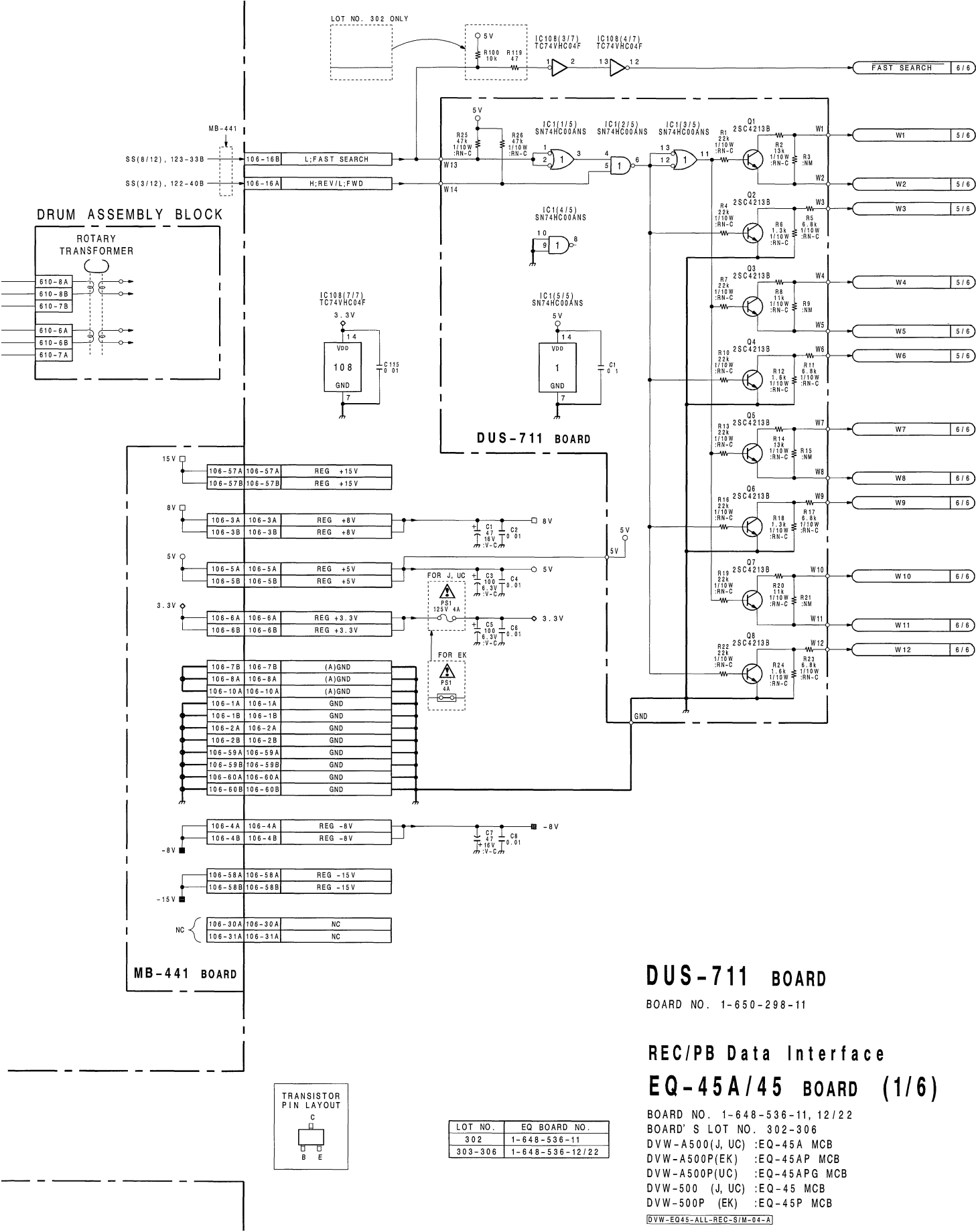


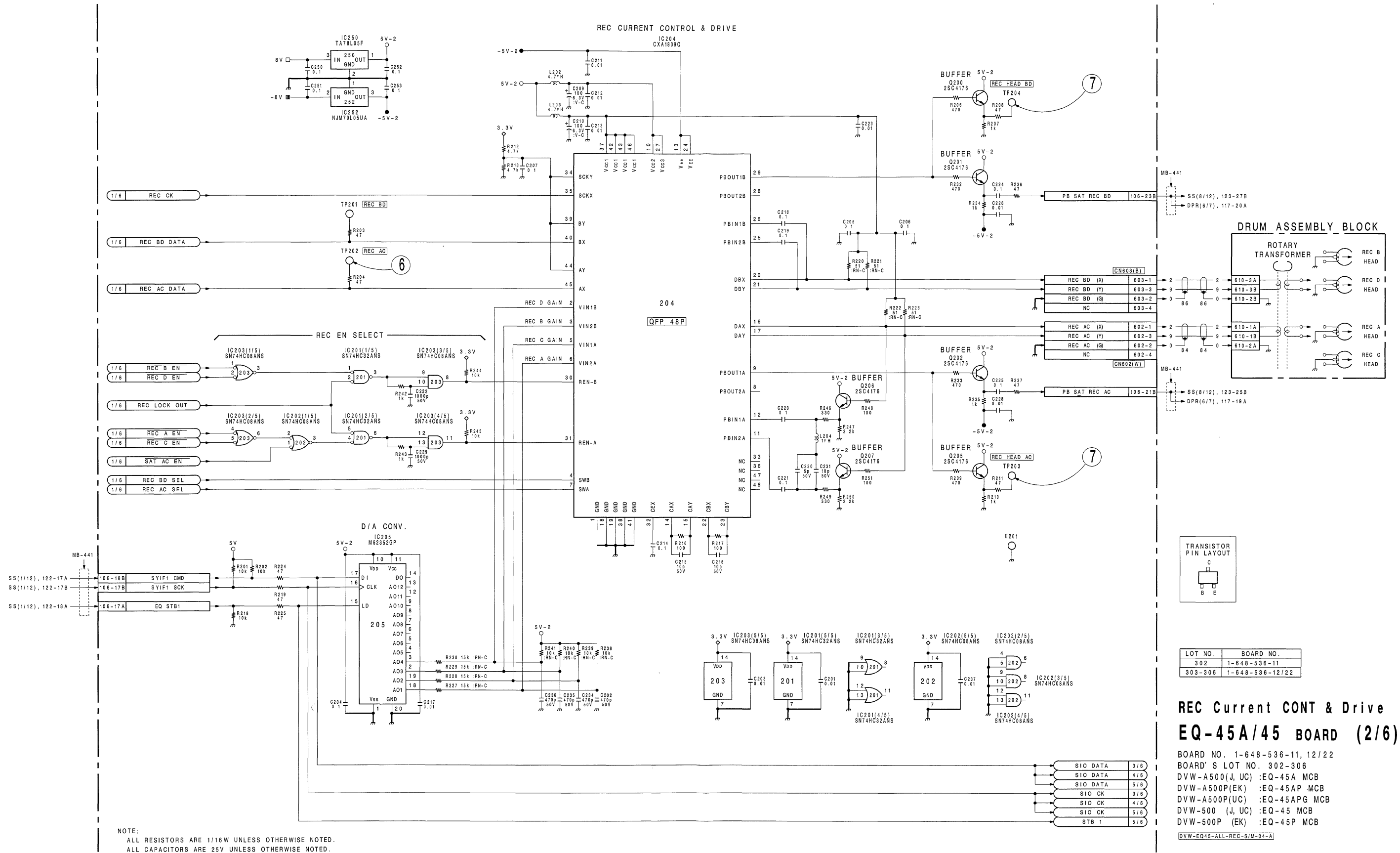


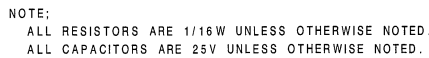
NOTE:
ALL RESISTORS ARE 1/16W UNLESS OTHERWISE NOTED
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

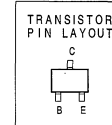
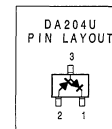
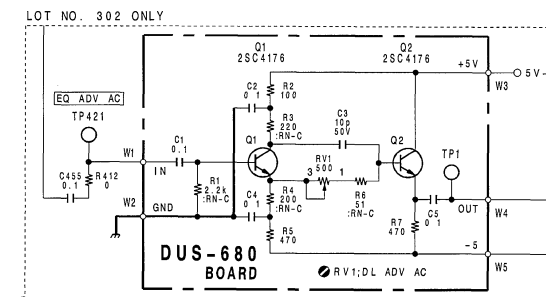
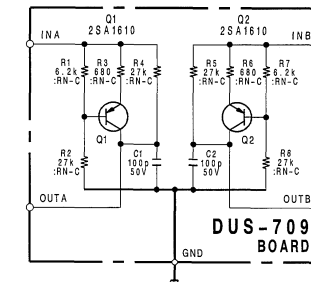
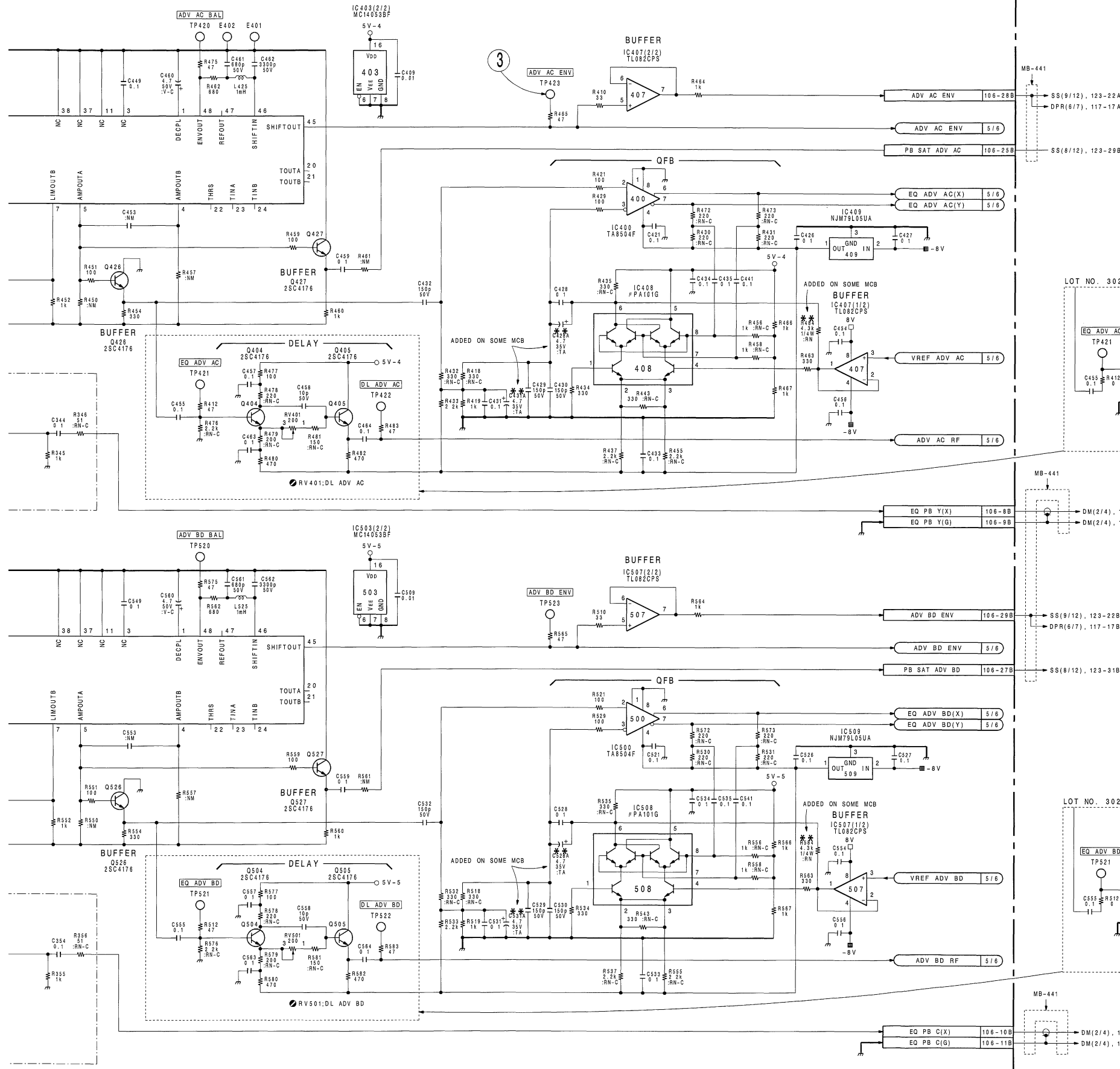












The Ref.Nos. marked with ** on the schematic diagram in this page are not printed on the printed circuit boards (of the following board No.) with silk screen.
EQ-45A BOARD: 1-648-536-11/12
EQ-45 BOARD: 1-648-536-22

LOT NO.	EQ BOARD NO.
302	1-648-536-11
303-306	1-648-536-12/22

Temperature Compensation DUS-709 BOARD

BOARD NO. 1-650-293-11

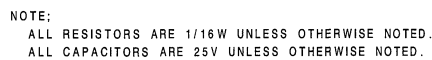
Delay DUS-680 BOARD

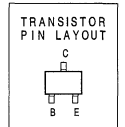
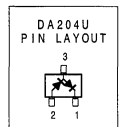
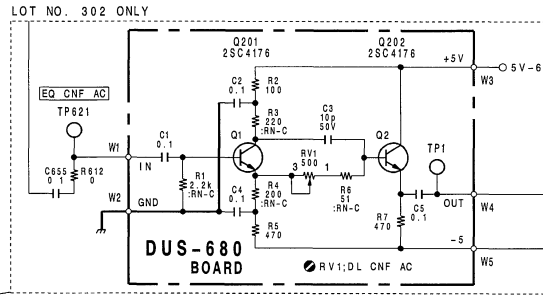
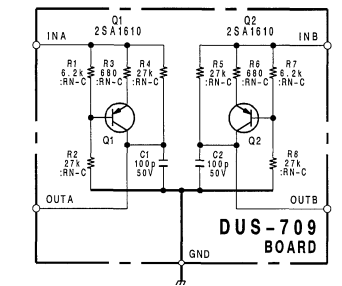
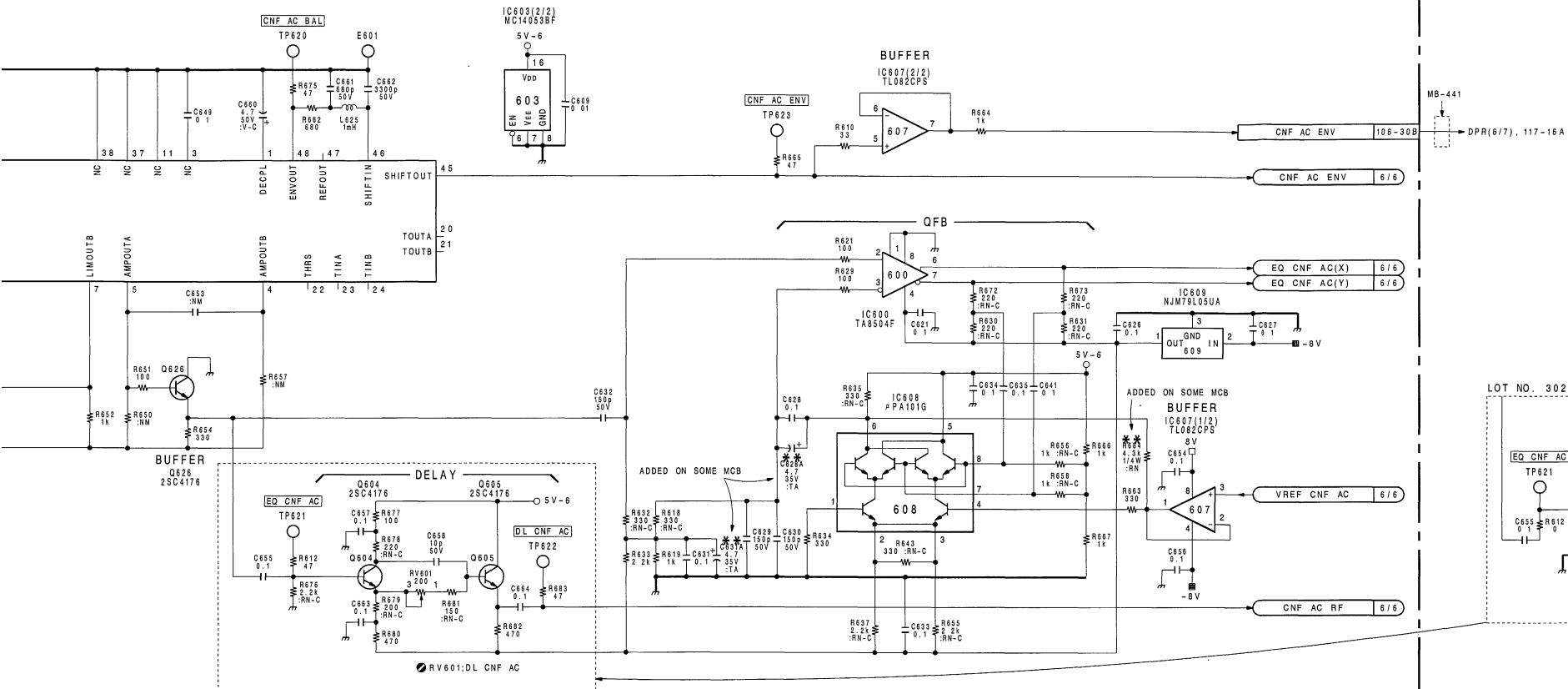
BOARD NO. 1-649-270-11
FOR EQ-45A(1-648-536-11) OF LOT NO. 302
DVW-A500P(EK)

Advanced PB EQ EQ-45A/45 BOARD (3/6)

BOARD NO. 1-648-539-11, 12/22
BOARD'S LOT NO. 302-306
DVW-A500(J, UC) :EQ-45A MCB
DVW-A500P(EK) :EQ-45AP MCB
DVW-A500P(UC) :EQ-45APG MCB
DVW-500 (J, UC) :EQ-45 MCB
DVW-500P (EK) :EQ-45P MCB

DVW-EQ45-ALL-REC-S/M-04-A





The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit boards(of the following board No.) with silk screen.
EQ-45A BOARD: 1-648-536-11/12
EQ-45 BOARD : 1-648-536-22

LOT NO.	EQ BOARD NO.
302	1-648-536-11
303-306	1-648-536-12/22

Temperature Compensation DUS-709 BOARD

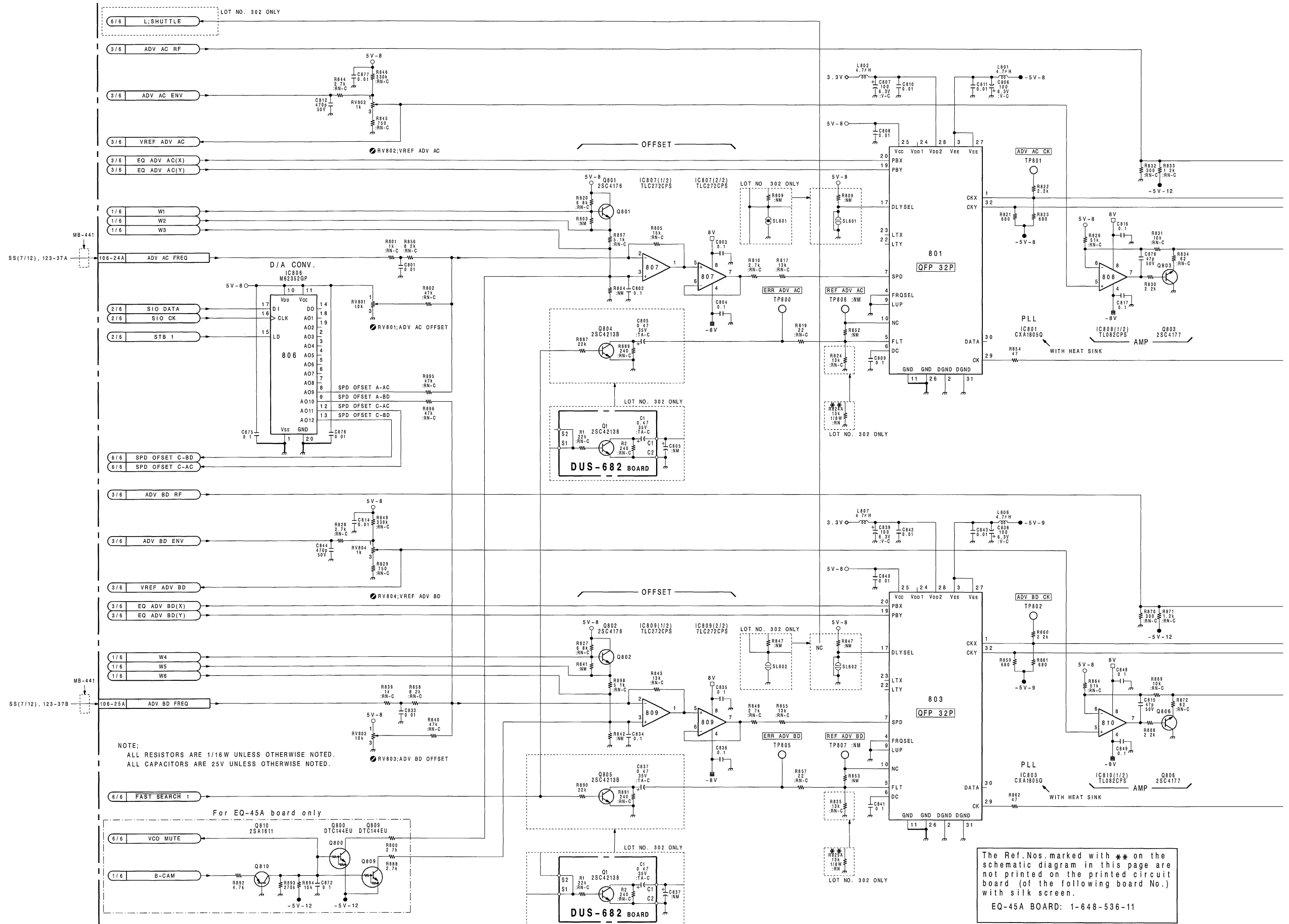
BOARD NO. 1-650-293-11

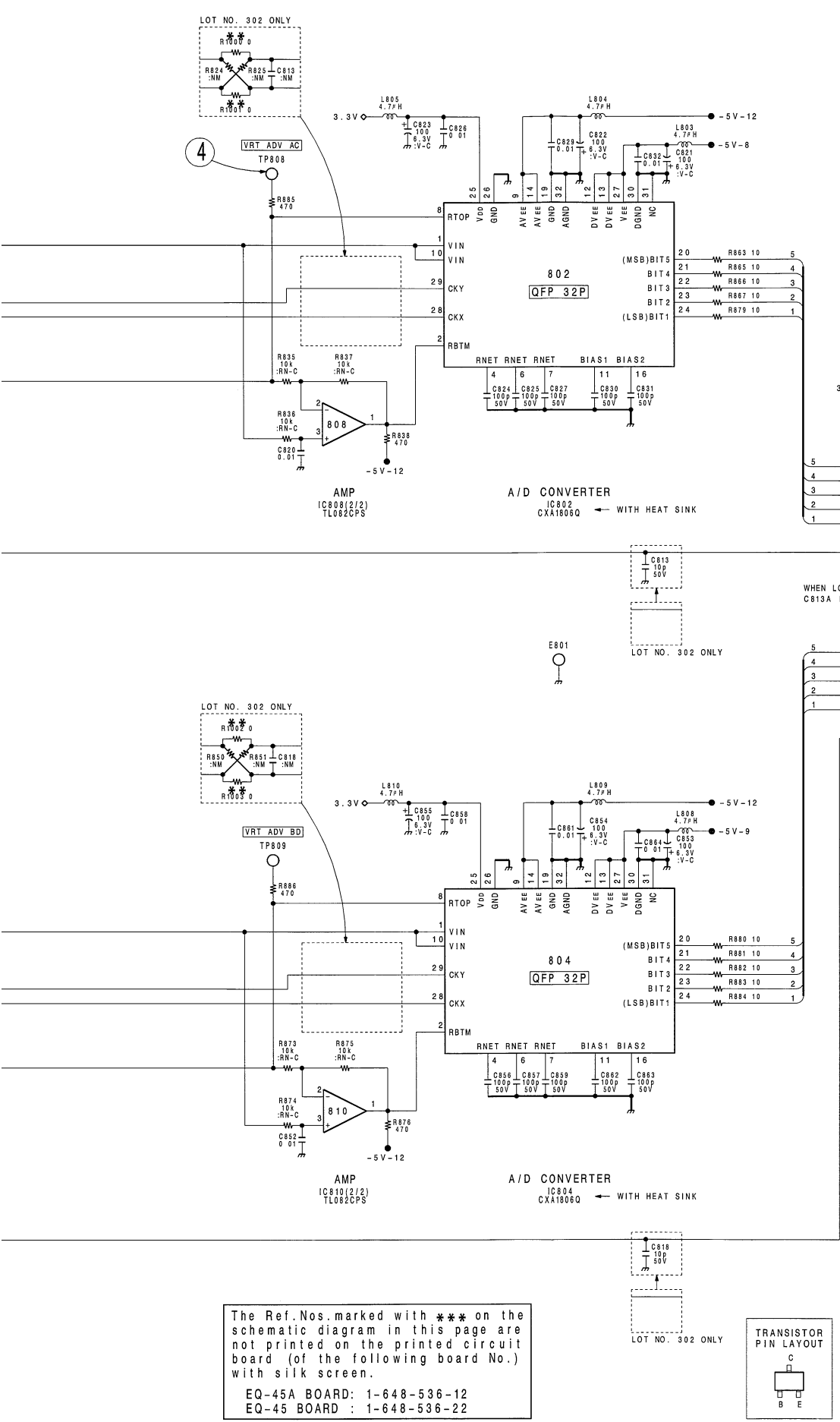
Delay DUS-680 BOARD

BOARD NO. 1-649-270-11
FOR EQ-45A(1-648-536-11) OF LOT NO. 302
DVW-A500P(EK)

Confi PB EQ EQ-45A/45 BOARD (4/6)

BOARD NO. 1-648-536-11, 12/22
BOARD' S LOT NO. 302-306
DVW-A500(J, UC) :EQ-45A MCB
DVW-A500P(EK) :EQ-45AP MCB
DVW-A500P(UC) :EQ-45APG MCB
DVW-500 (J, UC) :EQ-45 MCB
DVW-500P (EK) :EQ-45P MCB
[DVW-EQ45-ALL-REC-S/M-04-A]





LOT NO.	EQ BOARD NO.
302	1-648-536-11
303-306	1-648-536-12/22

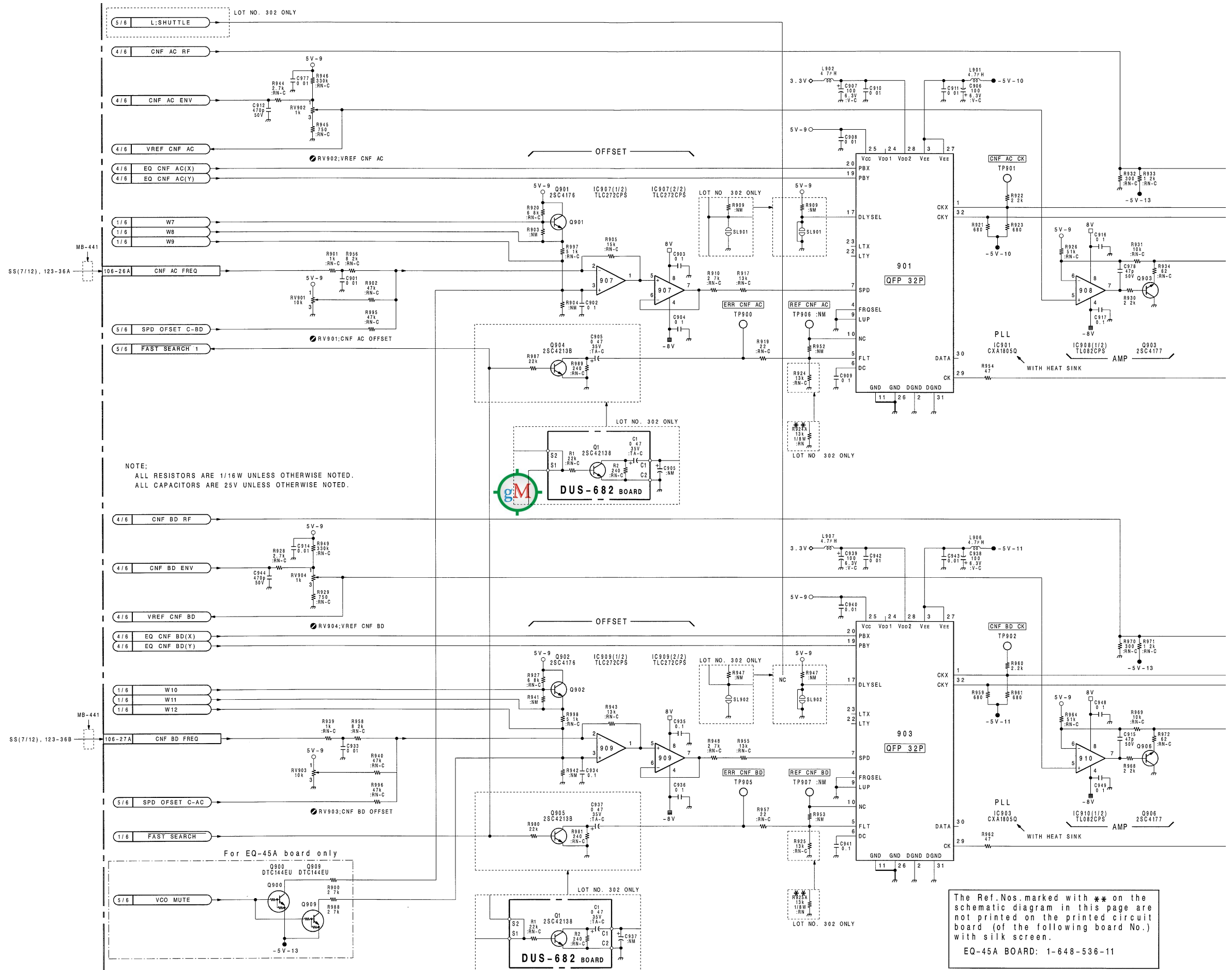
DUS-682 BOARD

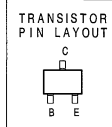
BOARD NO. 1-649-272-11
FOR EQ-45A(1-648-536-11) OF LOT NO. 302
DVW-A500P(EK)

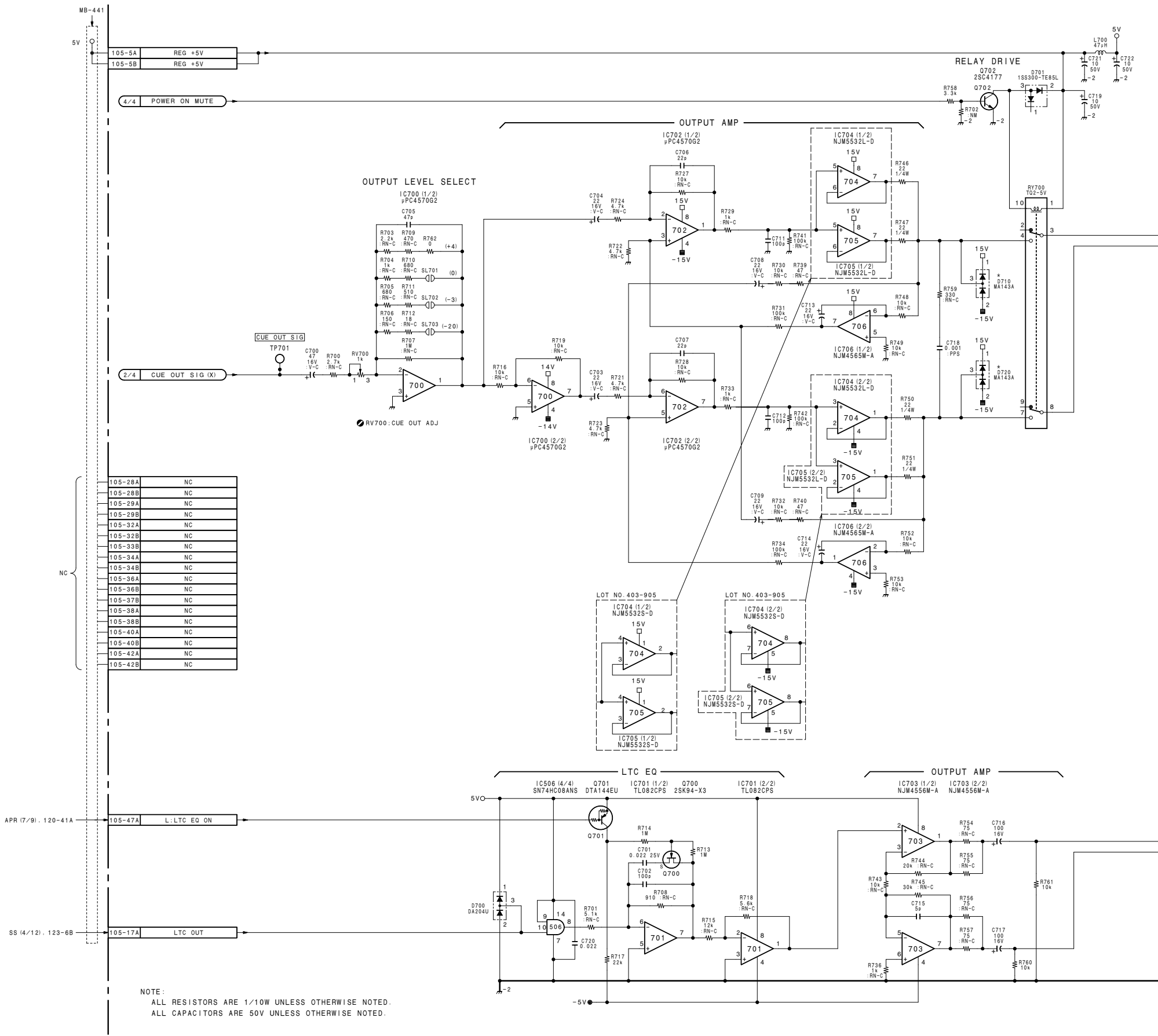
Advanced PLL & VITERBI Decoder
EQ-45A/45 BOARD (5/6)

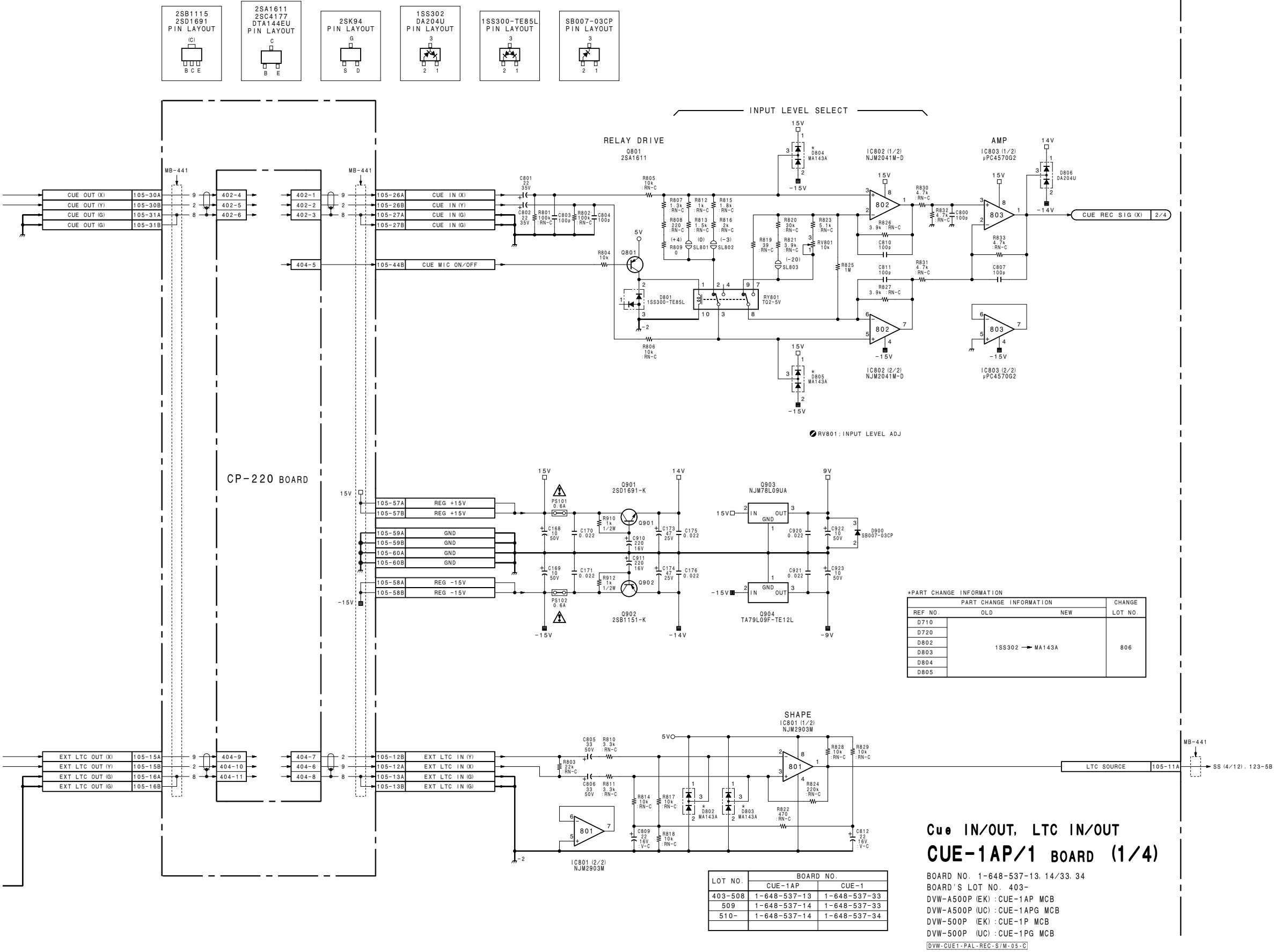
BOARD NO. 1-648-536-11, 12/22
BOARD'S LOT NO. 302-306
DVW-A500(J, UC) :EQ-45A MCB
DVW-A500P(EK) :EQ-45AP MCB
DVW-A500P(UC) :EQ-45APG MCB
DVW-500 (J, UC) :EQ-45 MCB
DVW-500P (EK) :EQ-45P MCB

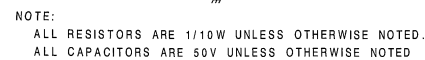
DVW-EQ45-ALL-REG-S/M-04-A

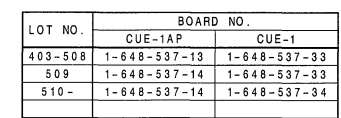




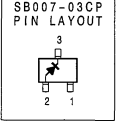
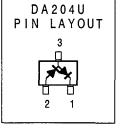
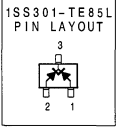
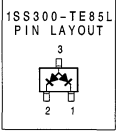
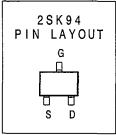
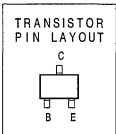
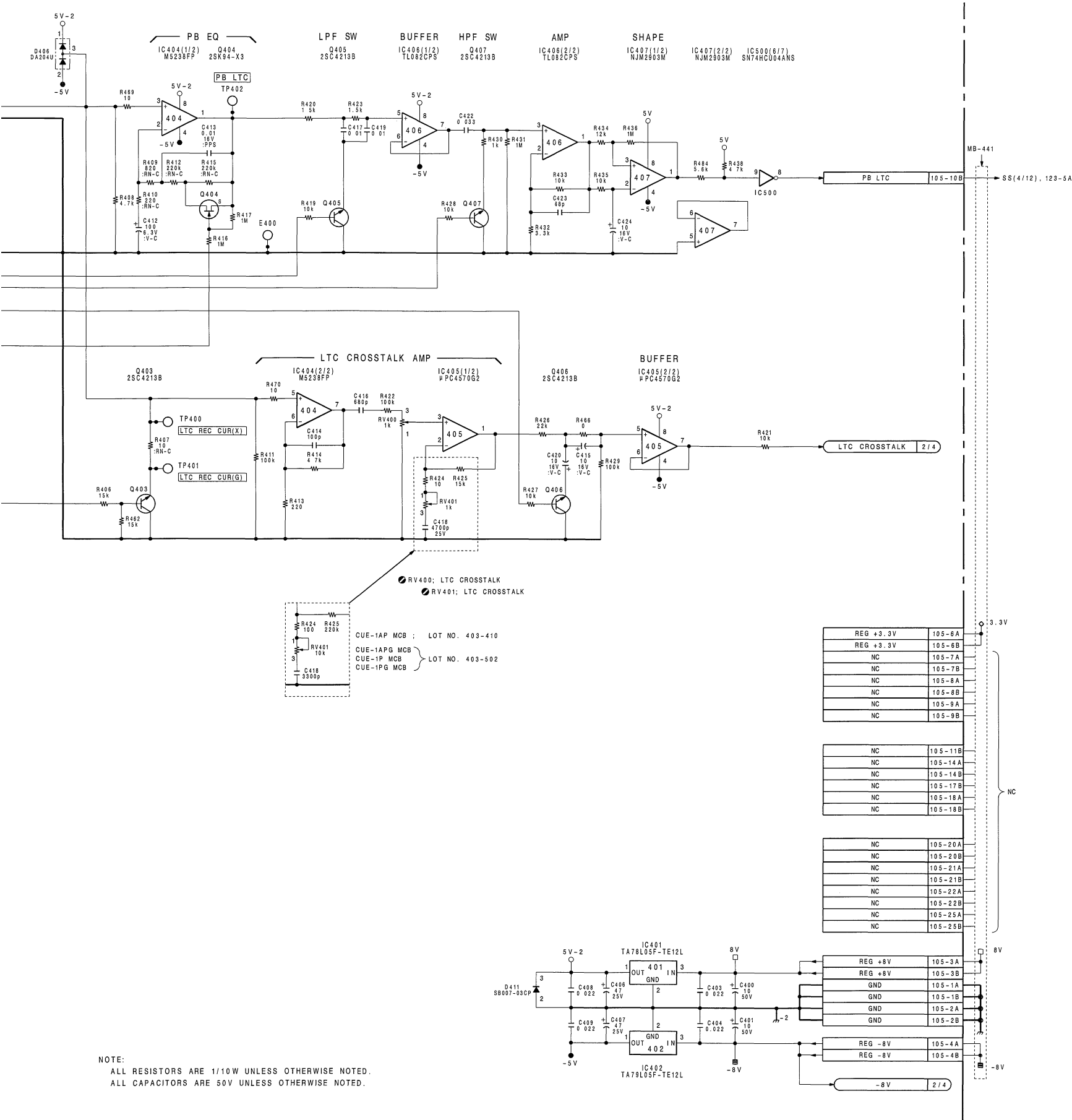










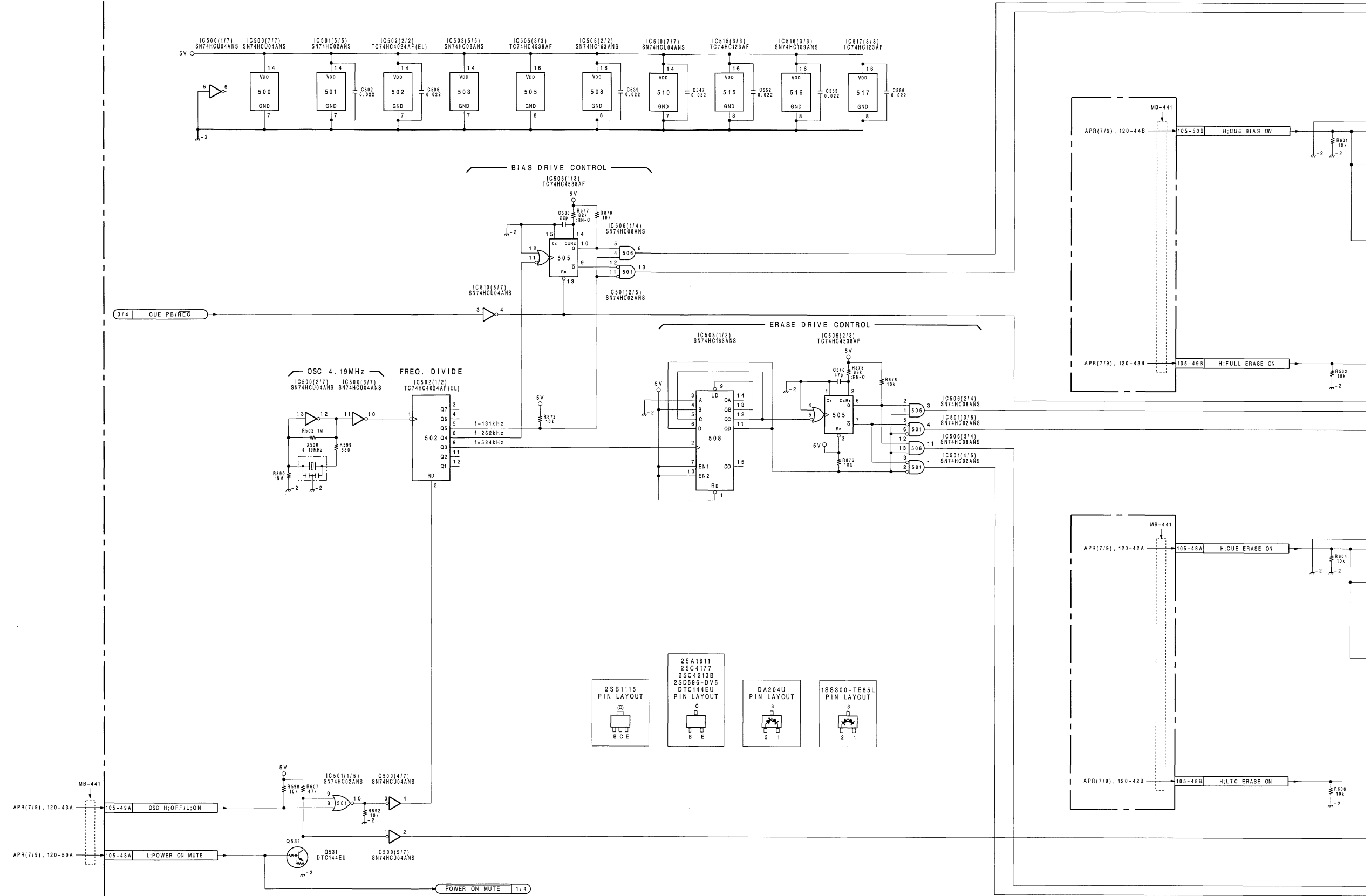


LOT NO.	BOARD NO.	
	CUE-1AP	CUE-1
403-508	1-648-537-13	1-648-537-33
509	1-648-537-14	1-648-537-33
510-	1-648-537-14	1-648-537-34

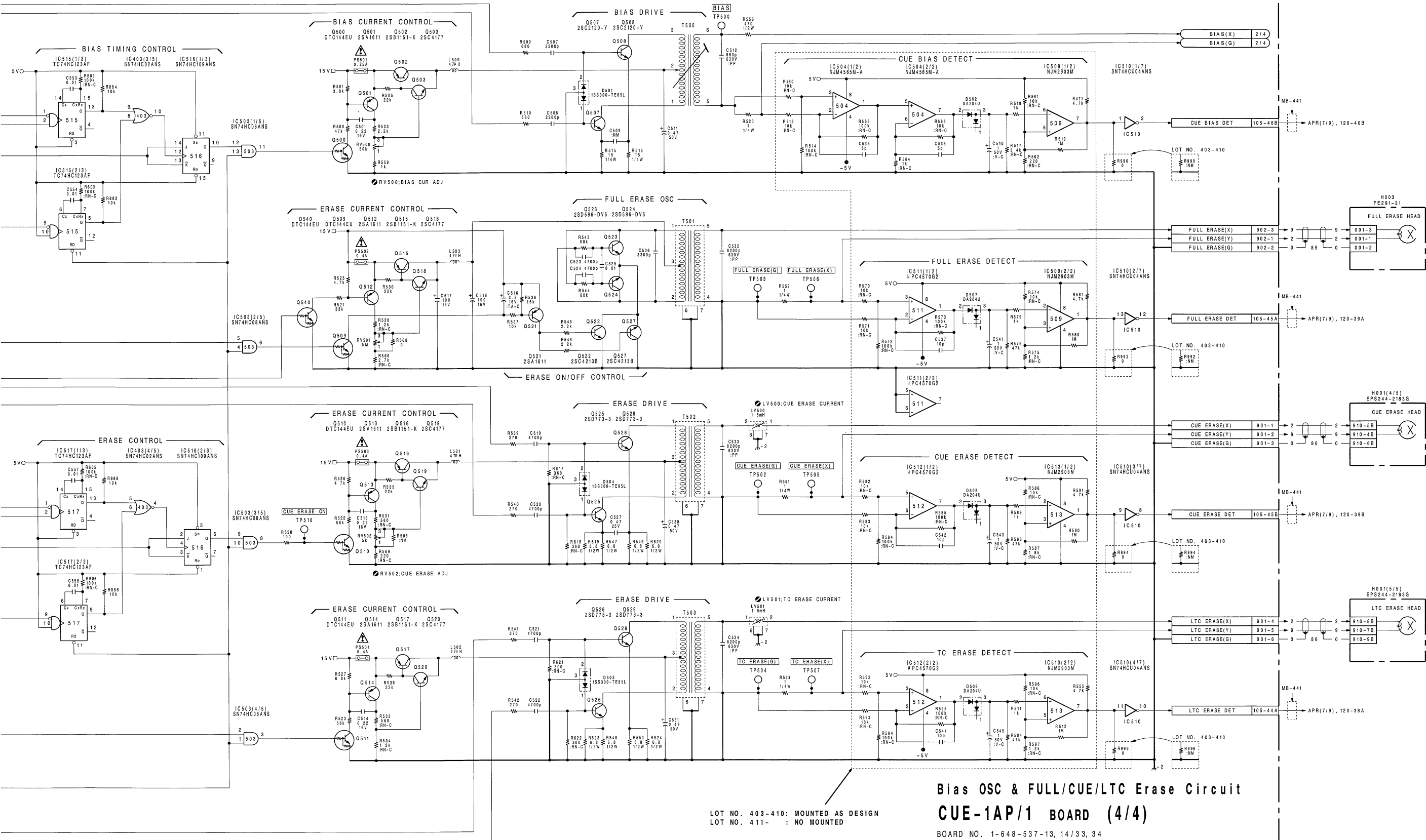
LTC REC/PB Process &
Control Circuit
CUE-1AP/1 BOARD (3/4)

BOARD NO. 1-648-537-13, 14/33, 34
BOARD'S LOT NO. 403-
DVW-A500P(EK) :CUE-1AP MCB
DVW-A500P(UC) :CUE-1APG MCB
DVW-500P (EK) :CUE-1P MCB
DVW-500P (UC) :CUE-1PG MCB

DVW-CUE1-PAL-REC-S/M-05-C



NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.

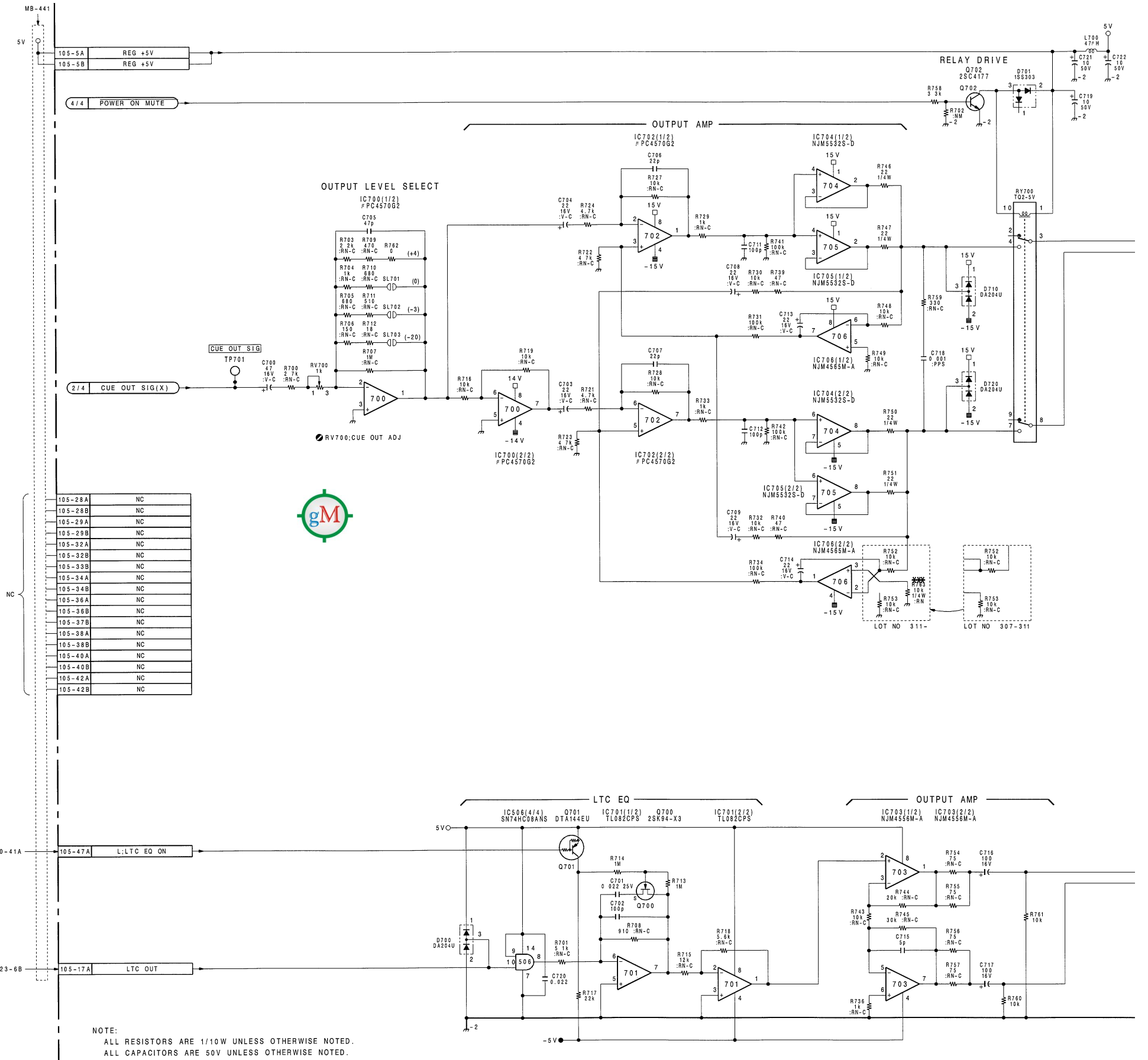


LOT NO. 403-410: MOUNTED AS DESIGN
LOT NO. 411- : NO MOUNTED

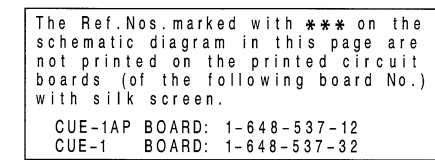
Bias OSC & FULL/CUE/LTC Erase Circuit
CUE-1AP/1 BOARD (4/4)

BOARD NO. 1-648-537-13, 14/33, 34
BOARD'S LOT NO. 403-
DVW-A500P(EK) : CUE-1AP MCB
DVW-A500P(UC) : CUE-1APG MCB
DVW-500P (EK) : CUE-1P MCB
DVW-500P (UC) : CUE-1PG MCB
DVW-CUE1-PAL-REC-S/M-05-C

LOT NO.	BOARD NO.	
	CUE-1AP	CUE-1
403-508	1-648-537-13	1-648-537-33
509	1-648-537-14	1-648-537-33
510-	1-648-537-14	1-648-537-34

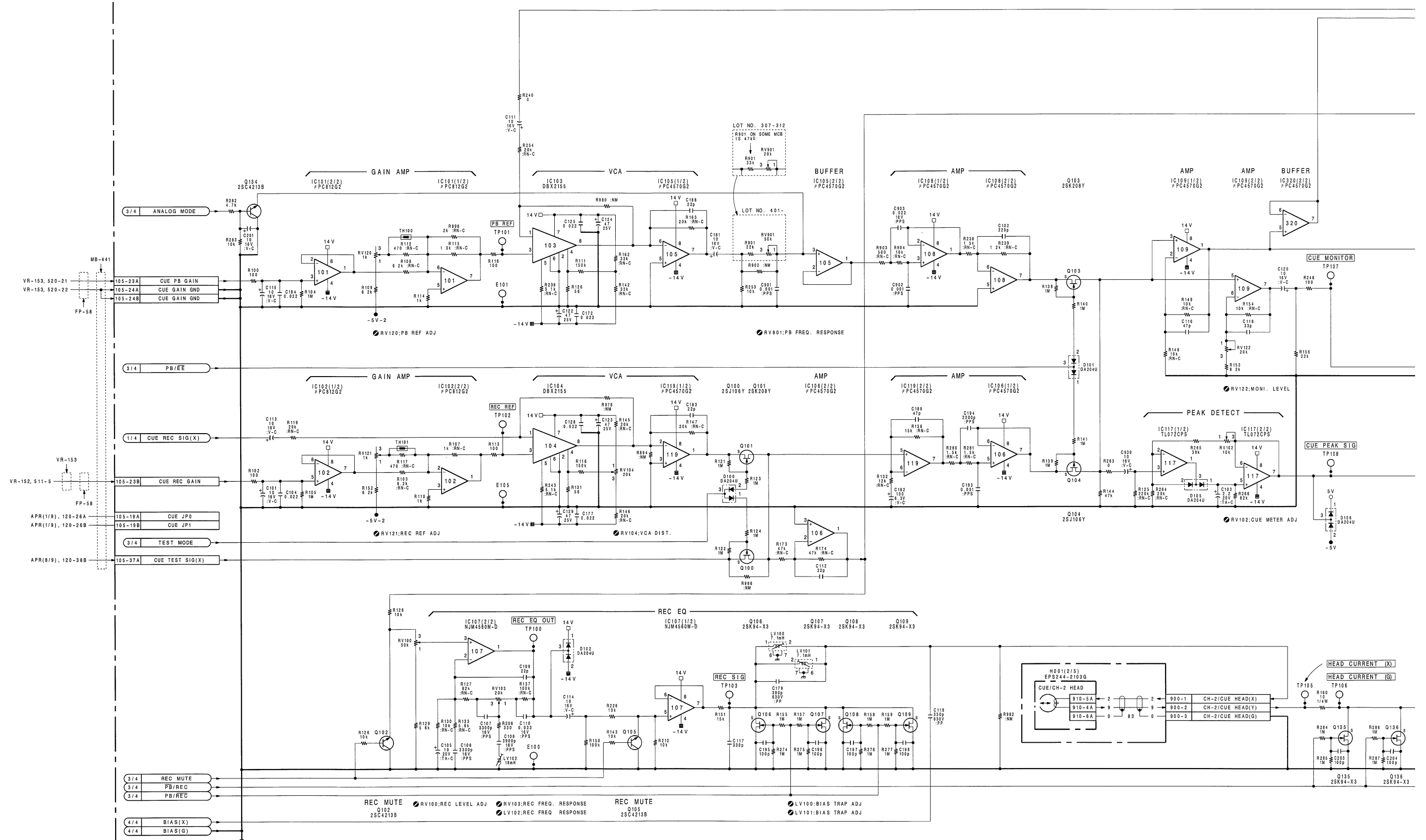


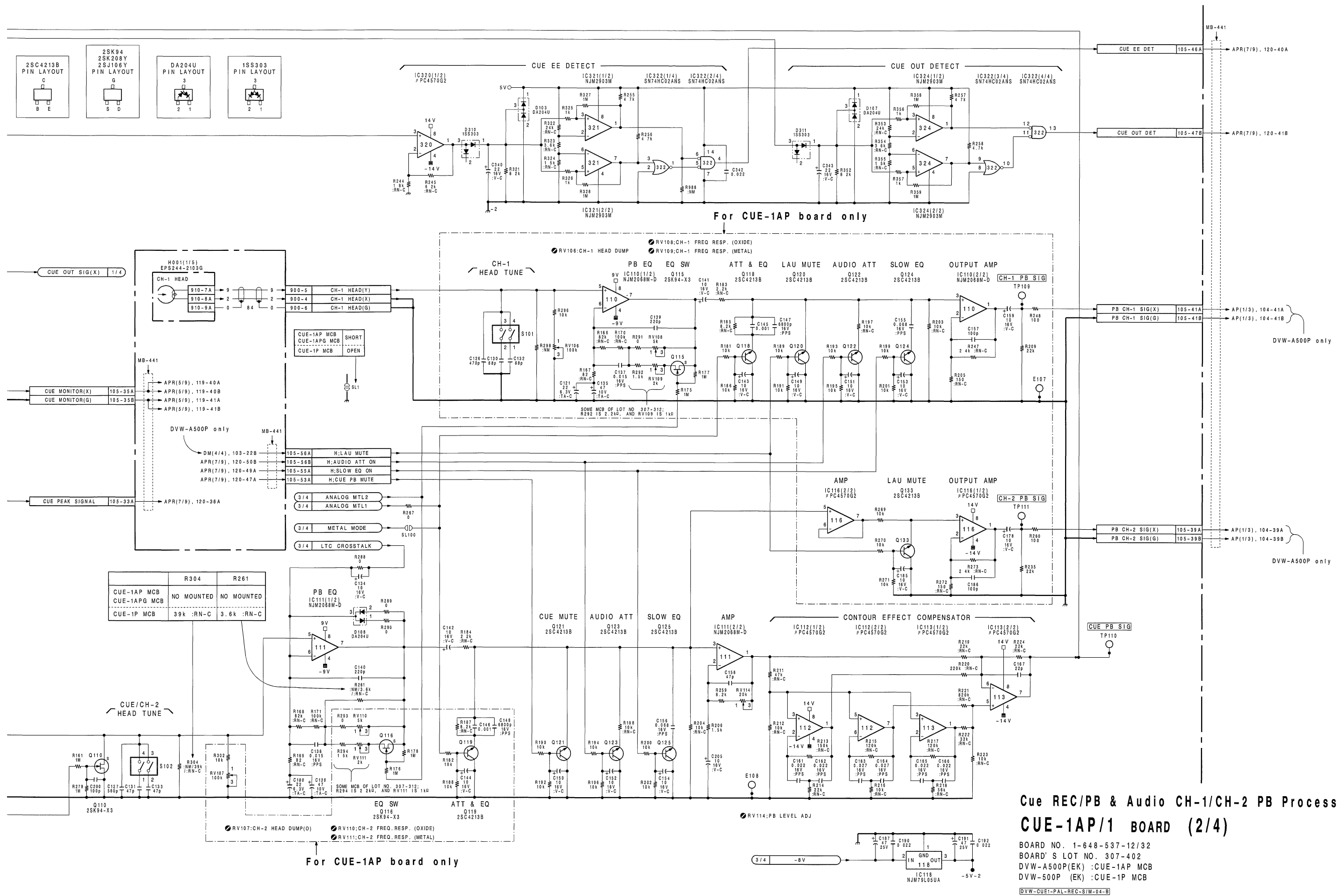
NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.

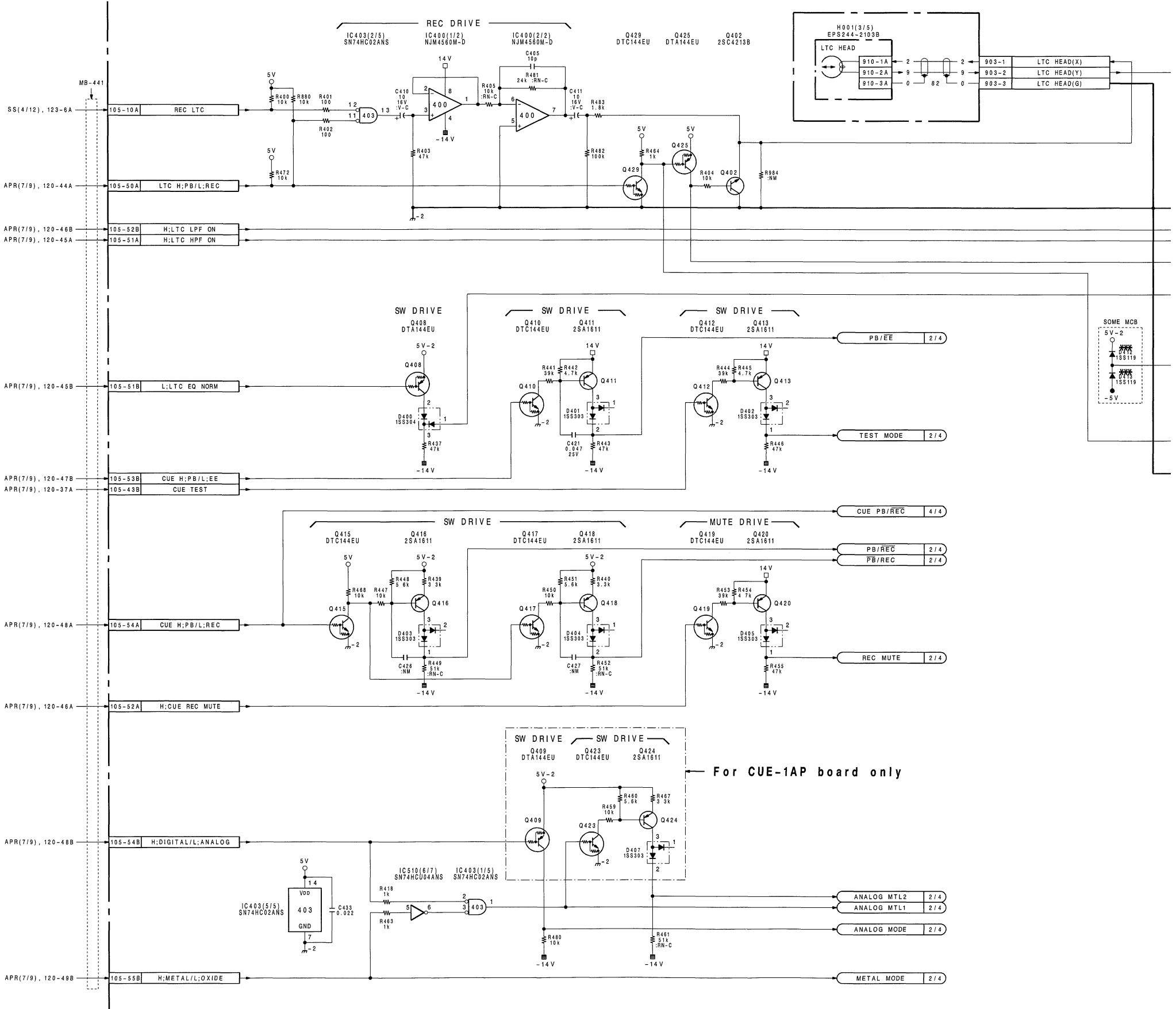


BOARD NO. 1-648-537-12/32
BOARD' S LOT NO. 307-402
DVW-A500P(EK) :CUE-1AP MCB
DVW-500P (EK) :CUE-1P MCB

DVW-CUE1-PAL-REC-S/M-04-B

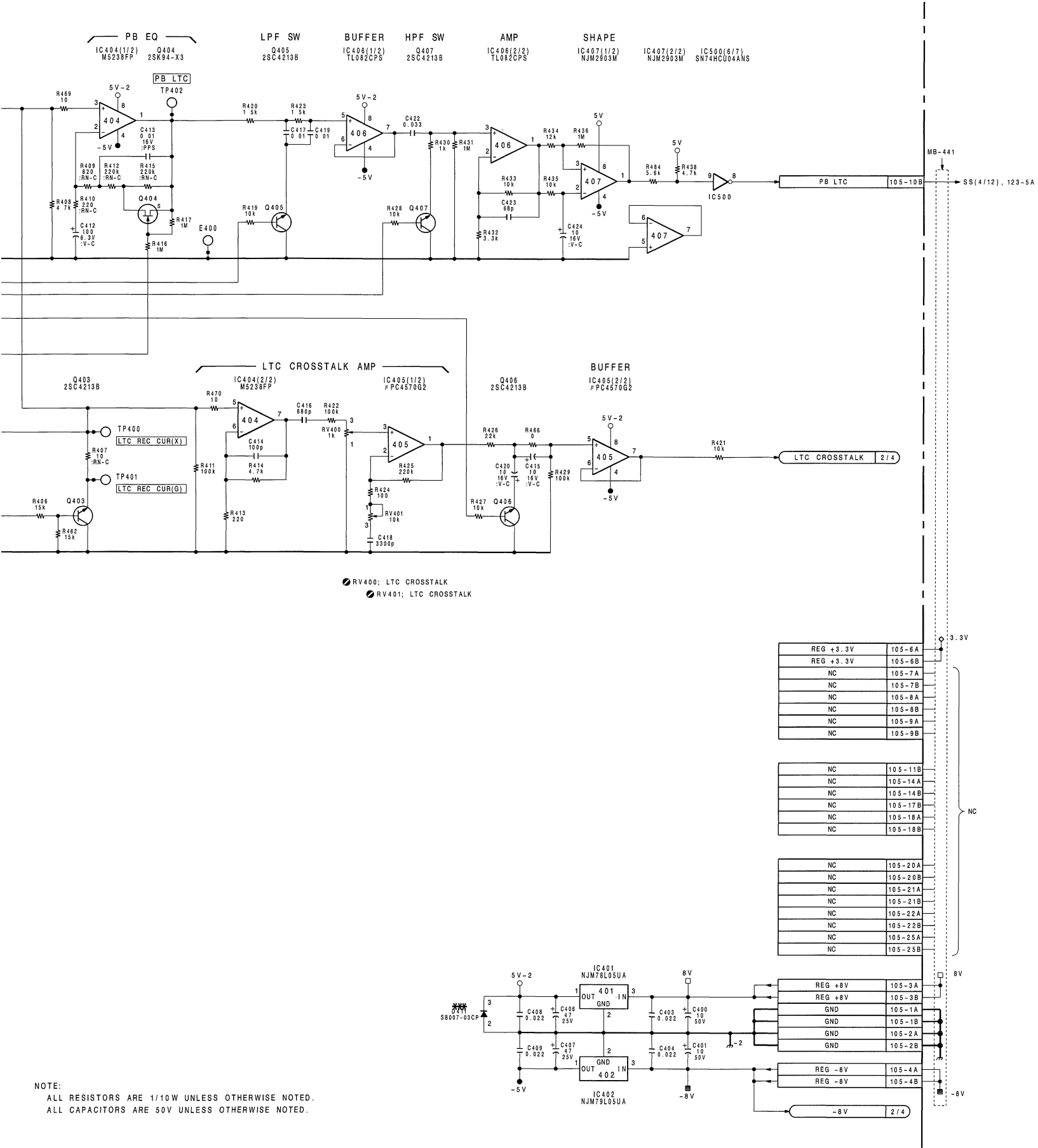






1-84 (b)

1-84 (b)



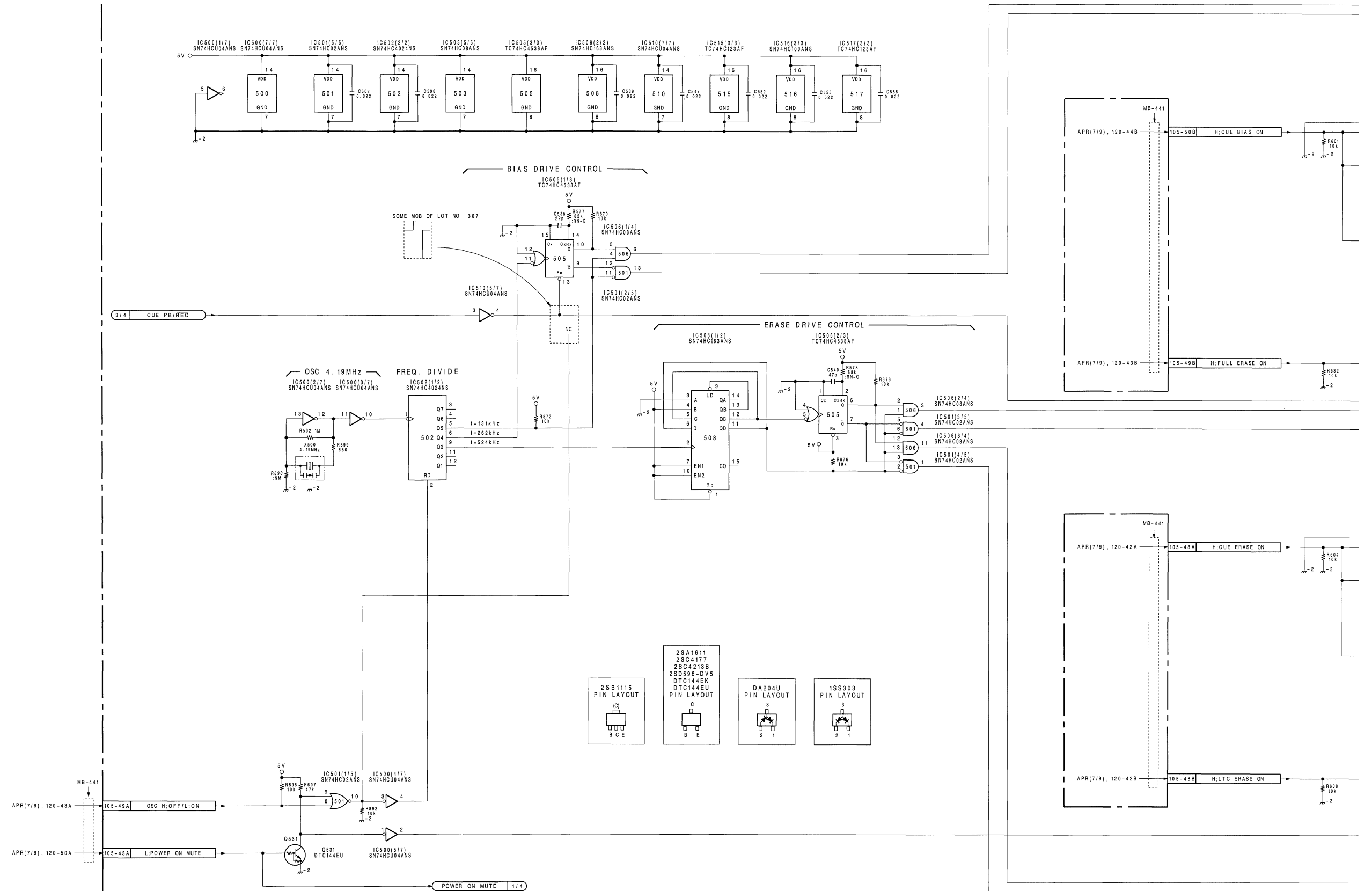
The Ref.Nos.marked with *** on the schematic diagram in this page are not printed on the printed circuit boards (of the following board No.) with silk screen.

CUE-1AP BOARD: 1-648-537-12
CUE-1 BOARD: 1-648-537-32

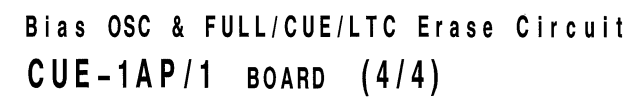
LTC REC/PB Process & Control Circuit CUE-1AP/1 BOARD (3/4)

BOARD NO. 1-648-537-12/32
BOARD' S LOT NO. 307-402
DVW-A500P(EK) :CUE-1AP MCB
DVW-500P (EK) :CUE-1P MCB

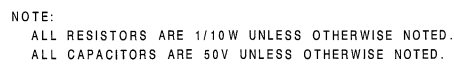
DVW-CUE1-PAL-REC-S/M-04-B

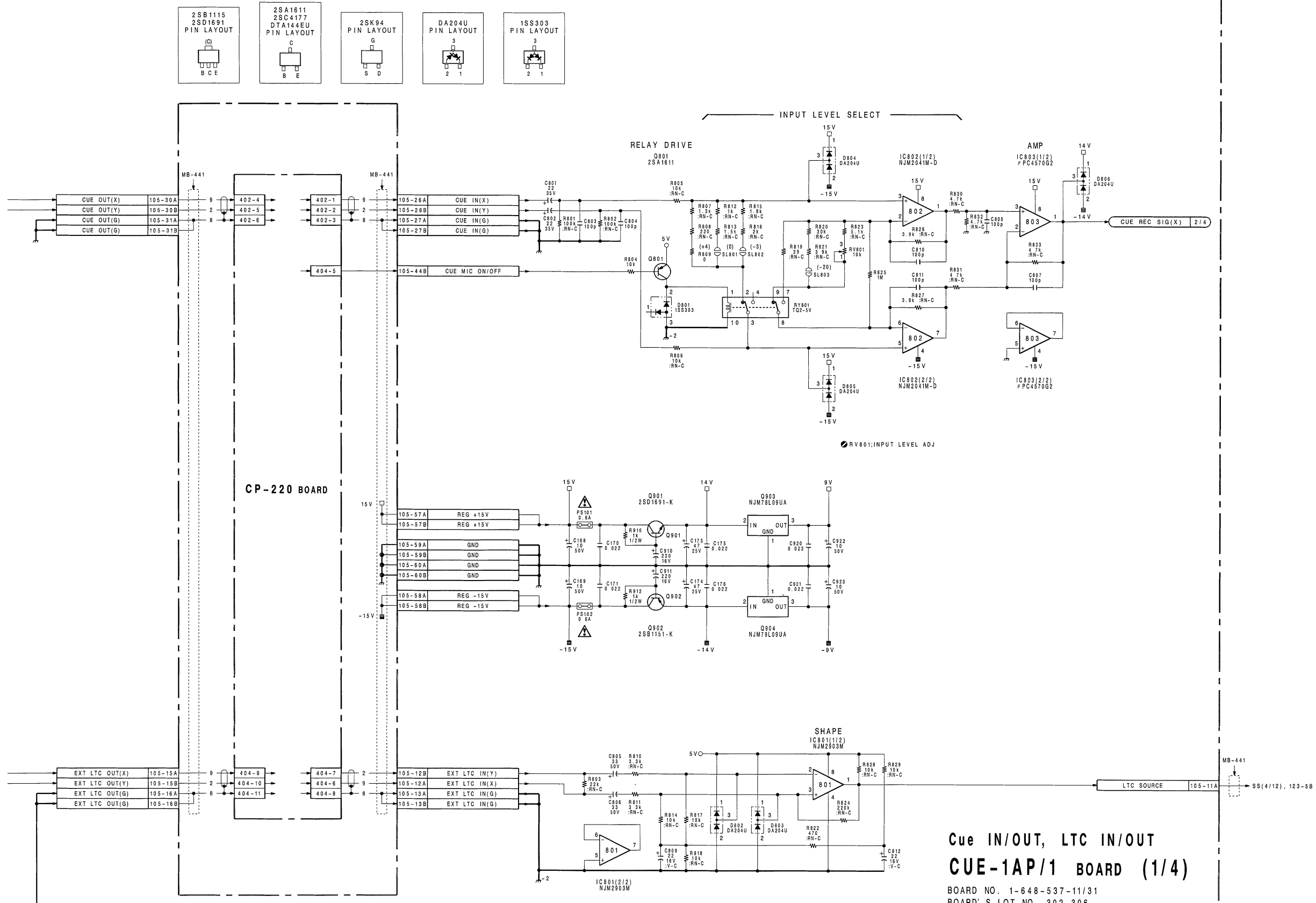


NOTE:
ALL RESISTERS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.



BOARD NO. 1-648-537-12/32
BOARD' S LOT NO. 307-402
DVW-A500P(EK) :CUE-1AP MCB
DVW-500P (EK) :CUE-1P MCB
DVW-CUE1-PAL-REC-S/M-04-B





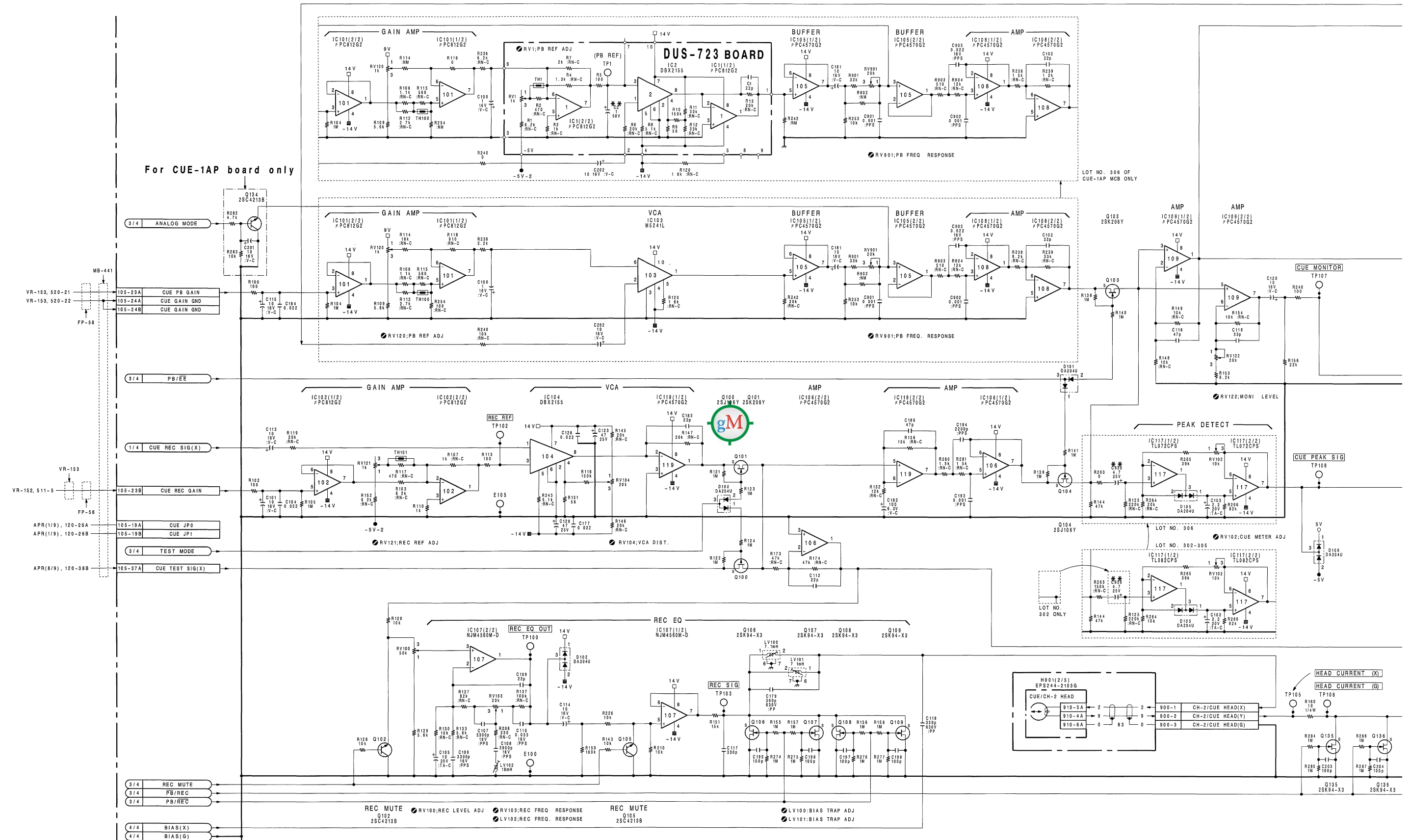
1

2

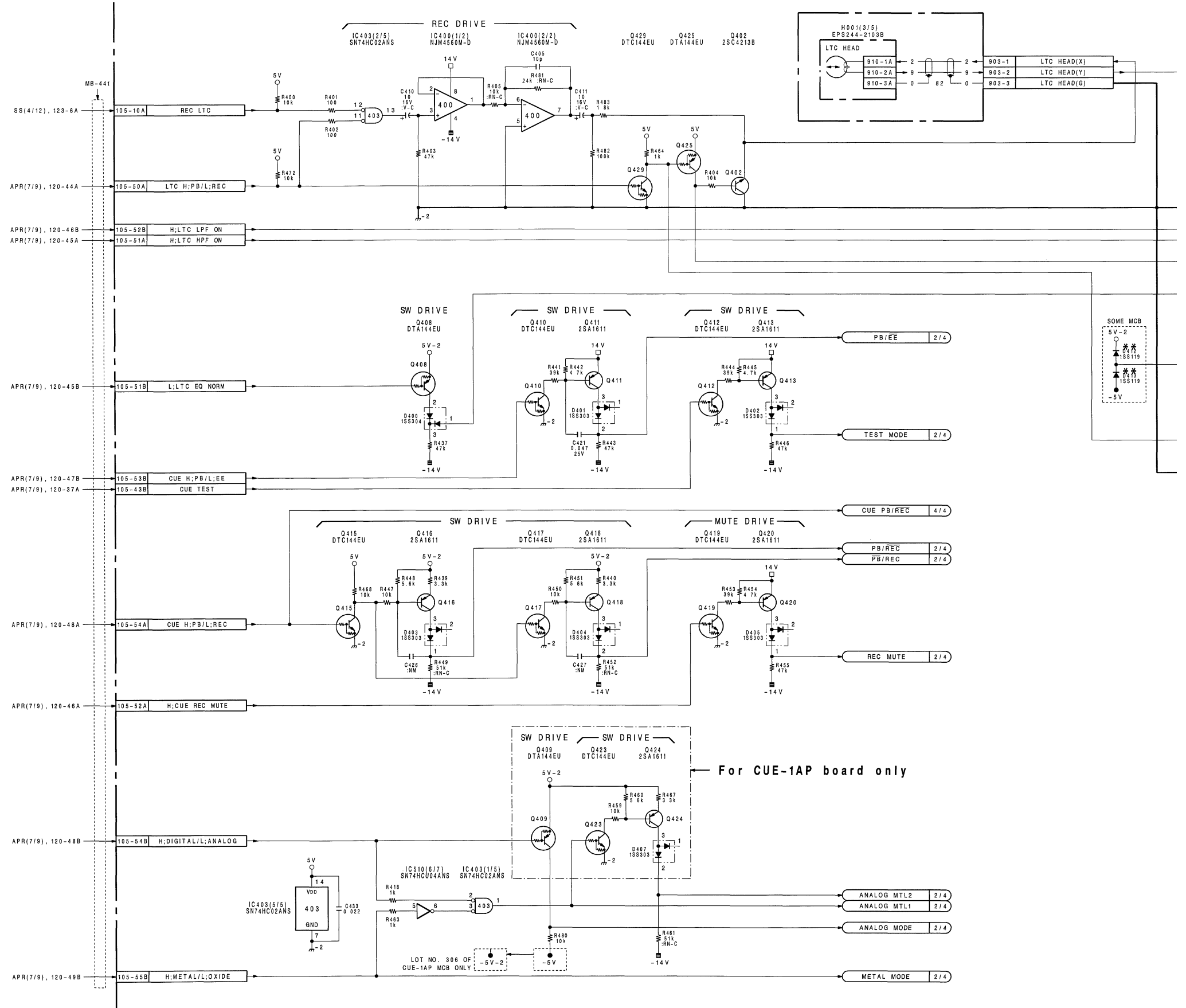
3

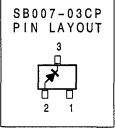
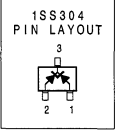
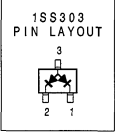
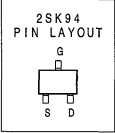
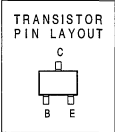
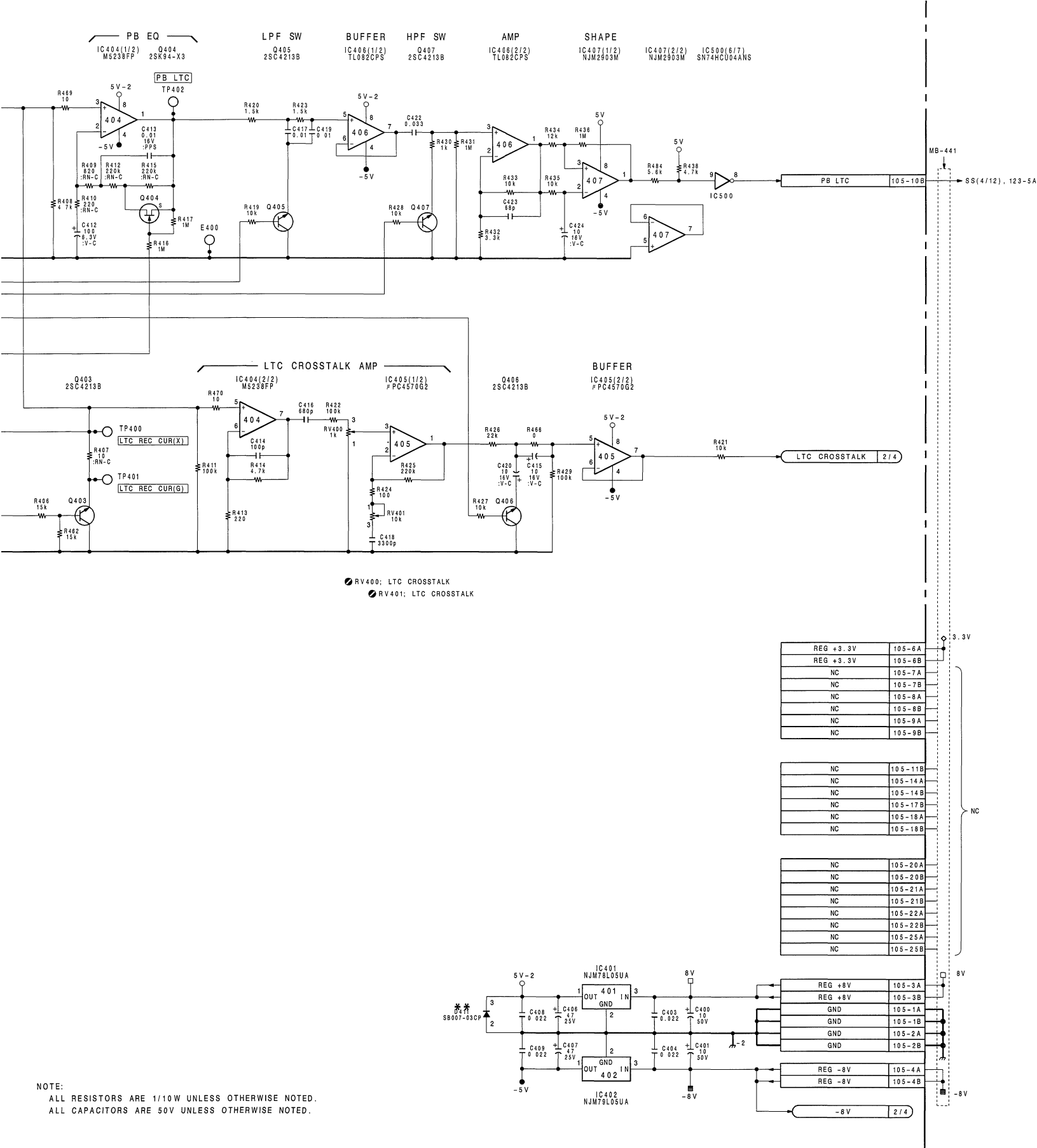
4

5









The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit boards (of the following board No.) with silk screen.

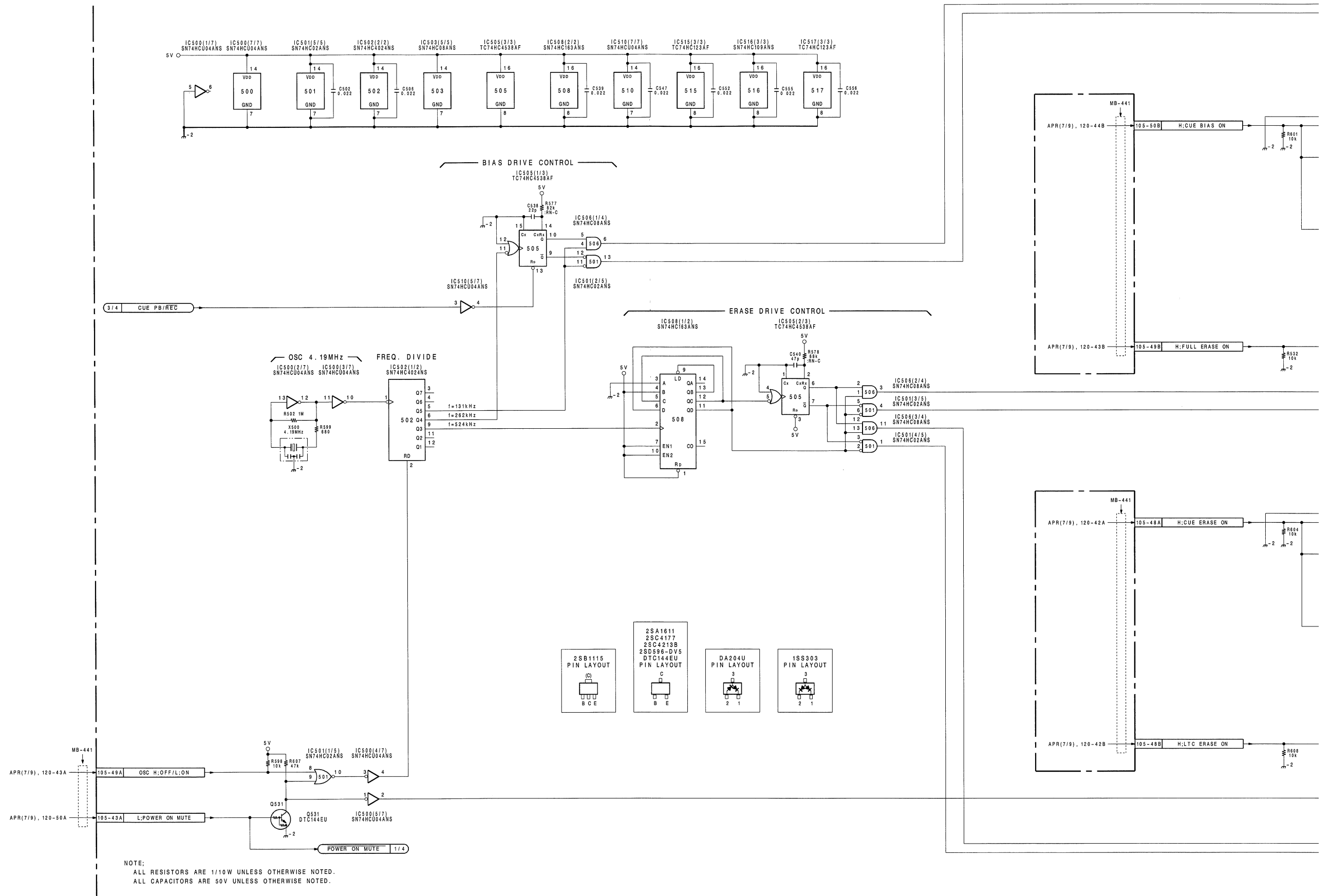
CUE-1AP BOARD: 1-648-537-11
CUE-1 BOARD: 1-648-537-31

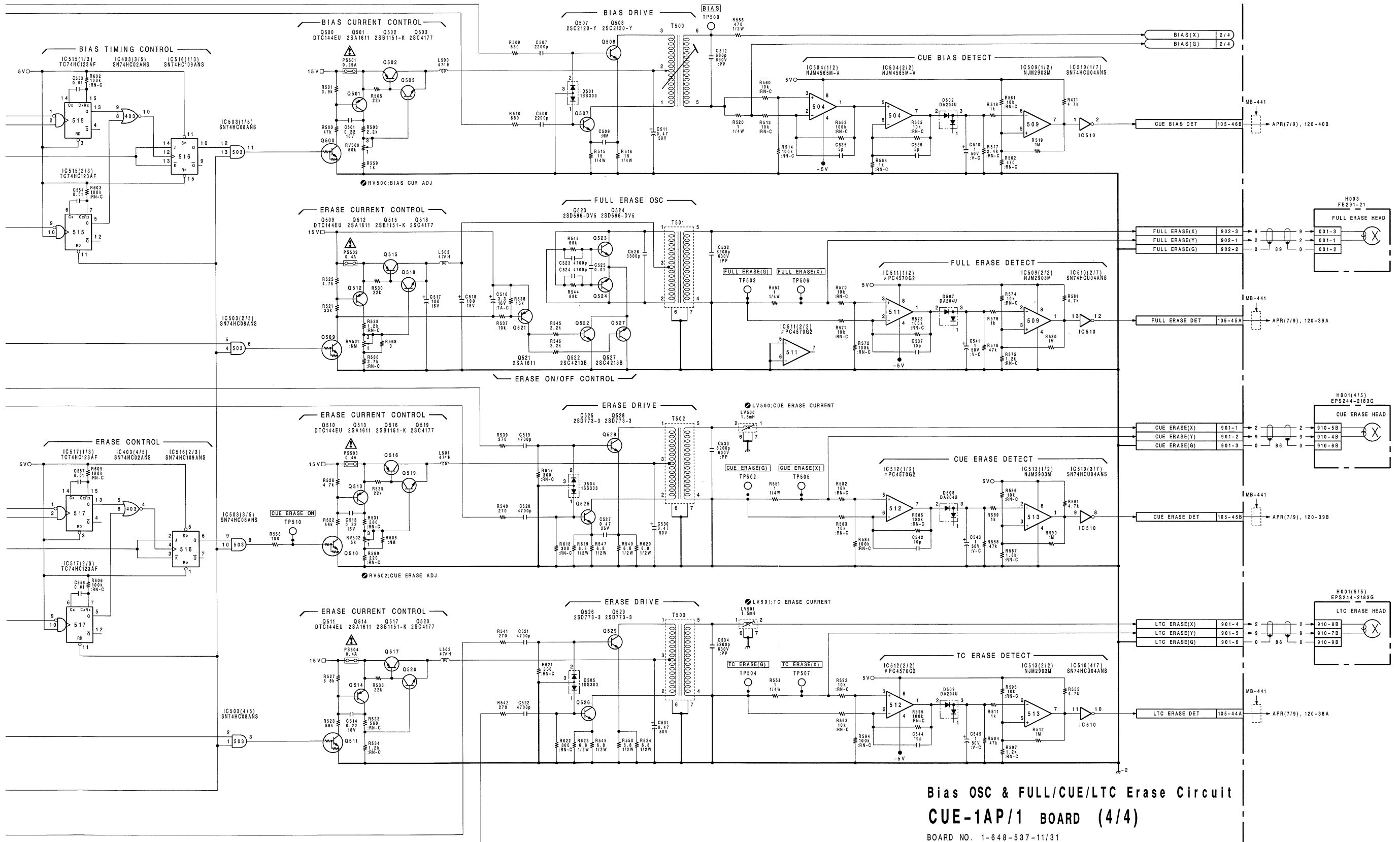
LTC REC/PB Process & Control Circuit
CUE-1AP/1 BOARD (3/4)

BOARD NO. 1-648-537-11/31
BOARD'S LOT NO. 302-306
DVW-A500P(EK) :CUE-1AP MCB
DVW-A500P(UC) :CUE-1APG MCB
DVW-500P (EK) :CUE-1P MCB

DVW-CUE1-PAL-REC-S/M-04-A

NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.



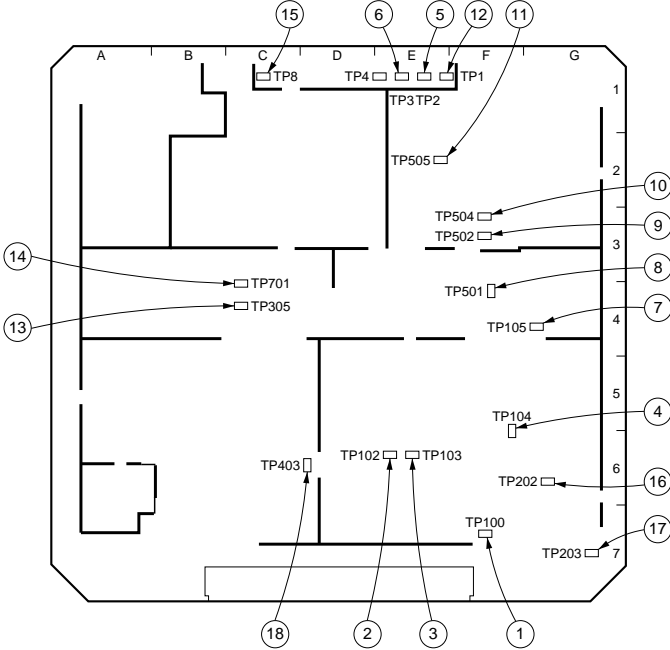


**Bias OSC & FULL/CUE/LTC Erase Circuit
CUE-1AP/1 BOARD (4/4)**

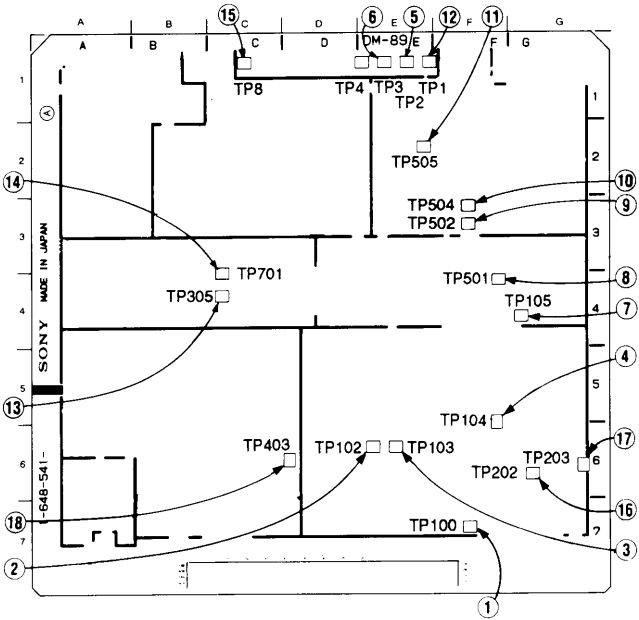
BOARD NO. 1-648-537-11/31
BOARD'S LOT NO. 302-306
DVW-A500P(EK) : CUE-1AP MCB
DVW-A500P(UC) : CUE-1APG MCB
DVW-500P (EK) : CUE-1P MCB

DVW-CUE1-PAL-REC-S/M-04-A

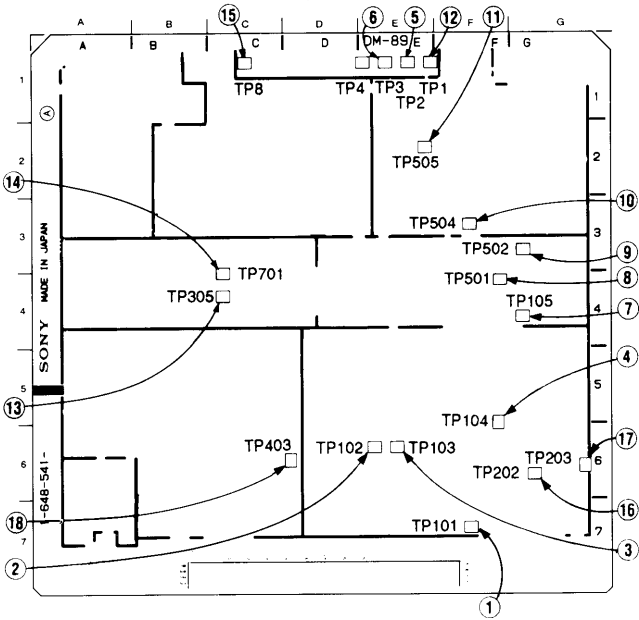
DM-89 Board -A Side- (1-648-541-15, 16, 17)

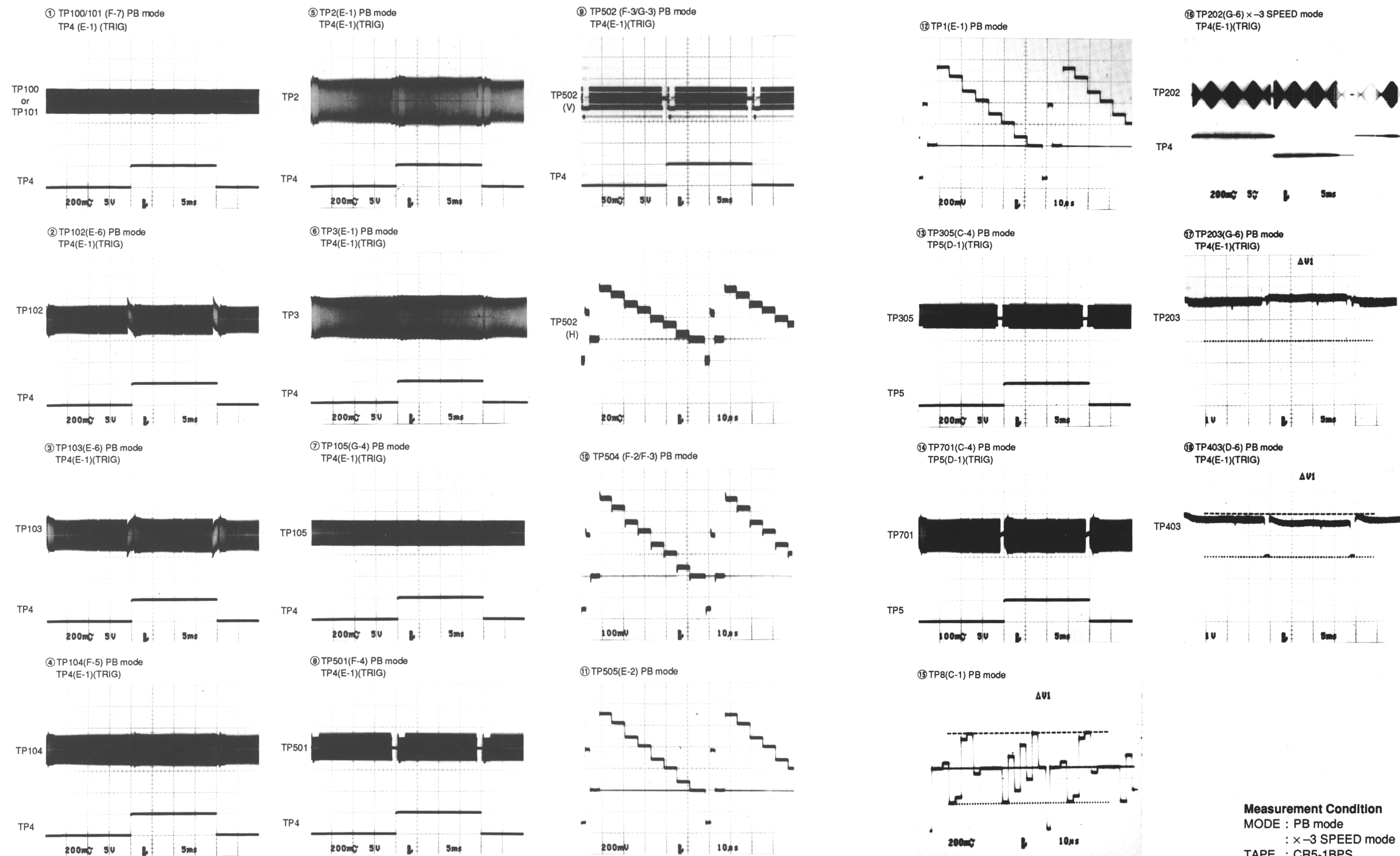


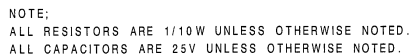
DM-89 Board -A Side- (1-648-541-13, 14)

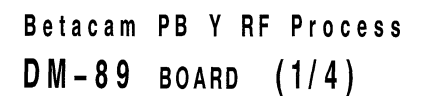


DM-89 Board -A Side- (1-648-541-11, 12)









LOT NO.	BOARD NO.
605-802	1-648-541-16
803-	1-648-541-17

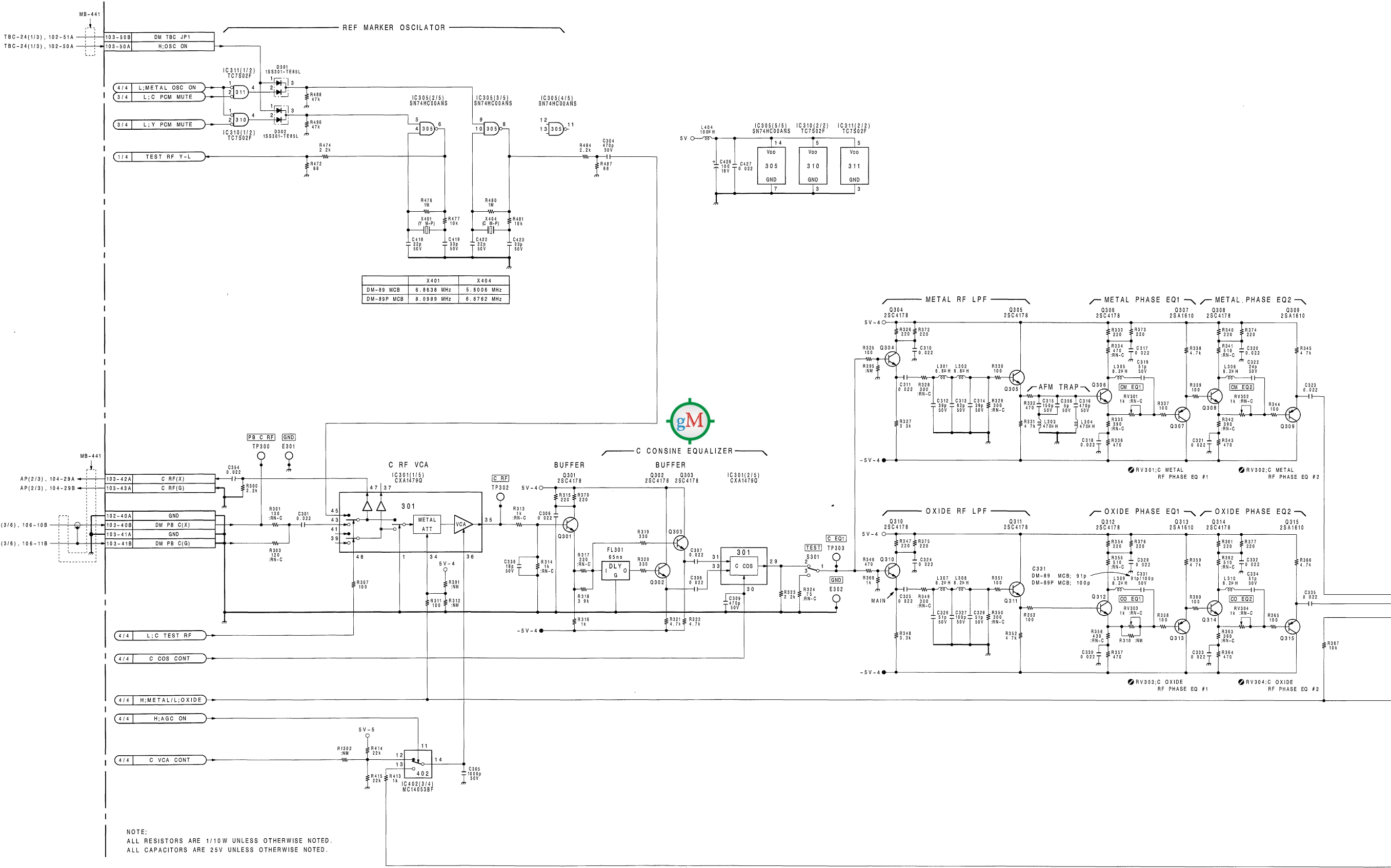
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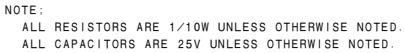
2

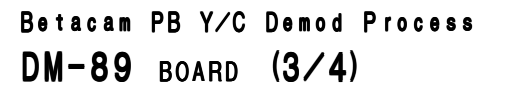
3

4

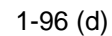
5

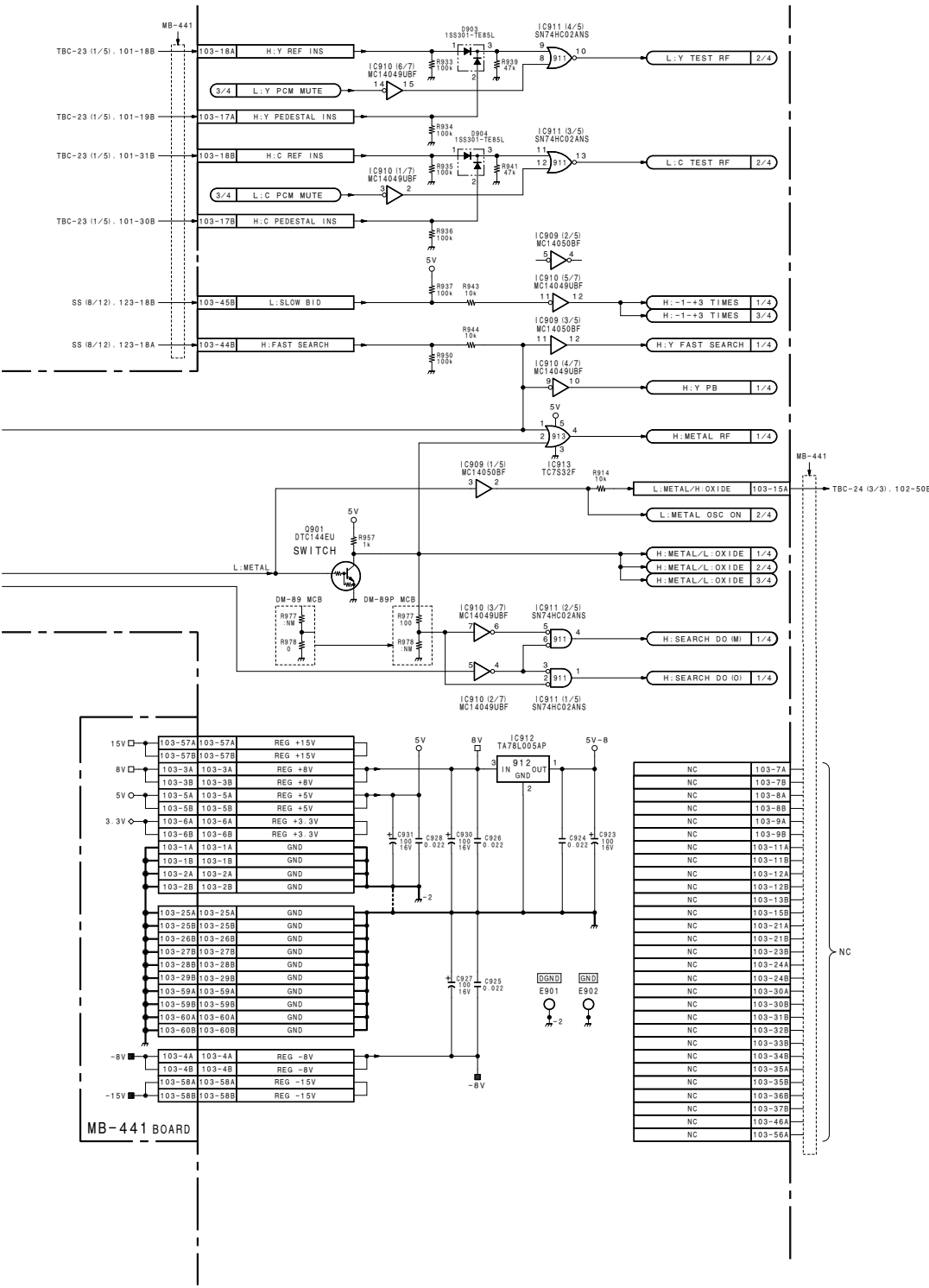




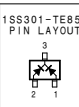
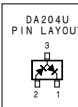
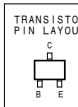


DVW-DM89-ALL-A-PB-S/M-06-D





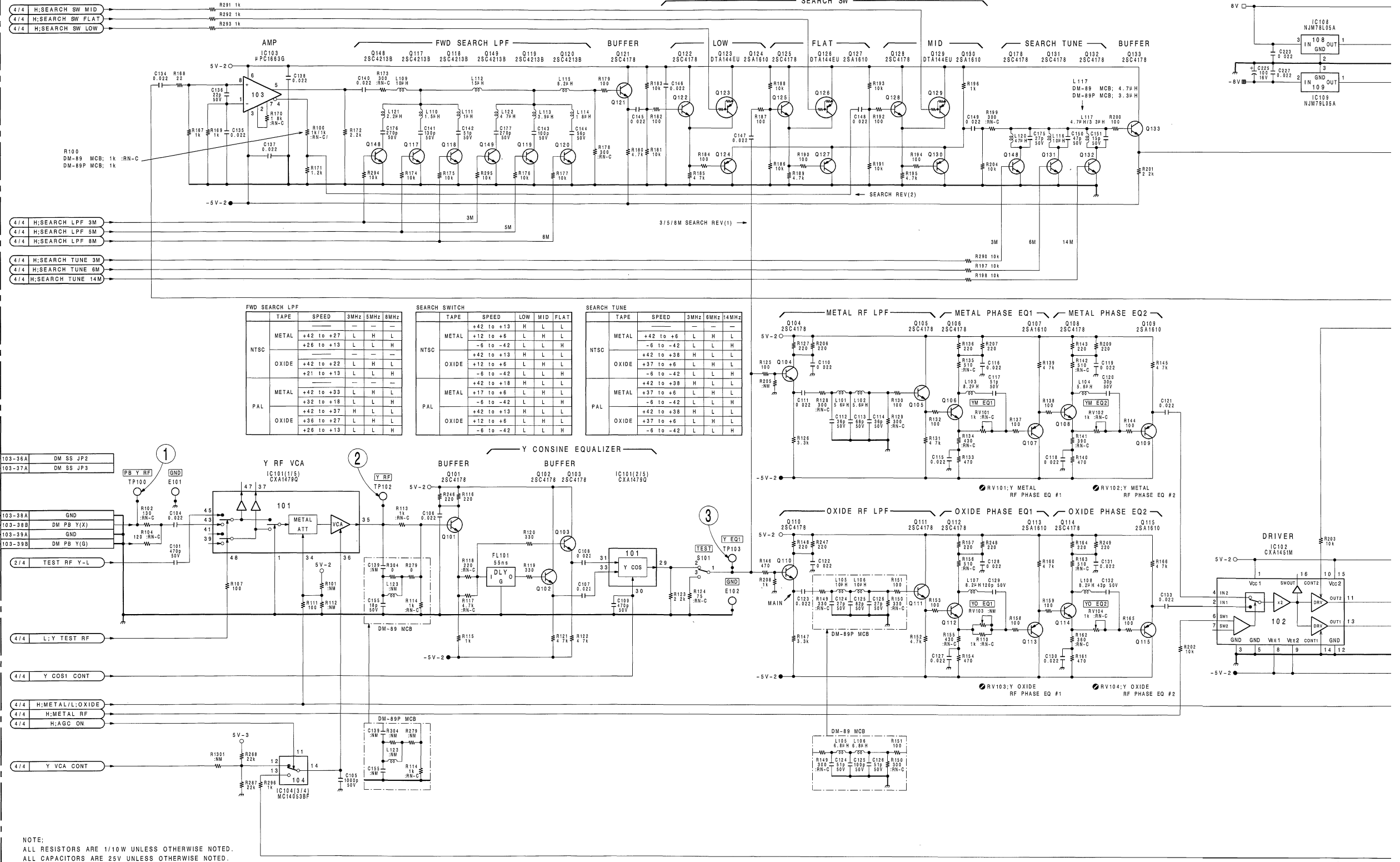
LOT NO.	BOARD NO.
605-802	1-648-541-16
803-	1-648-541-17



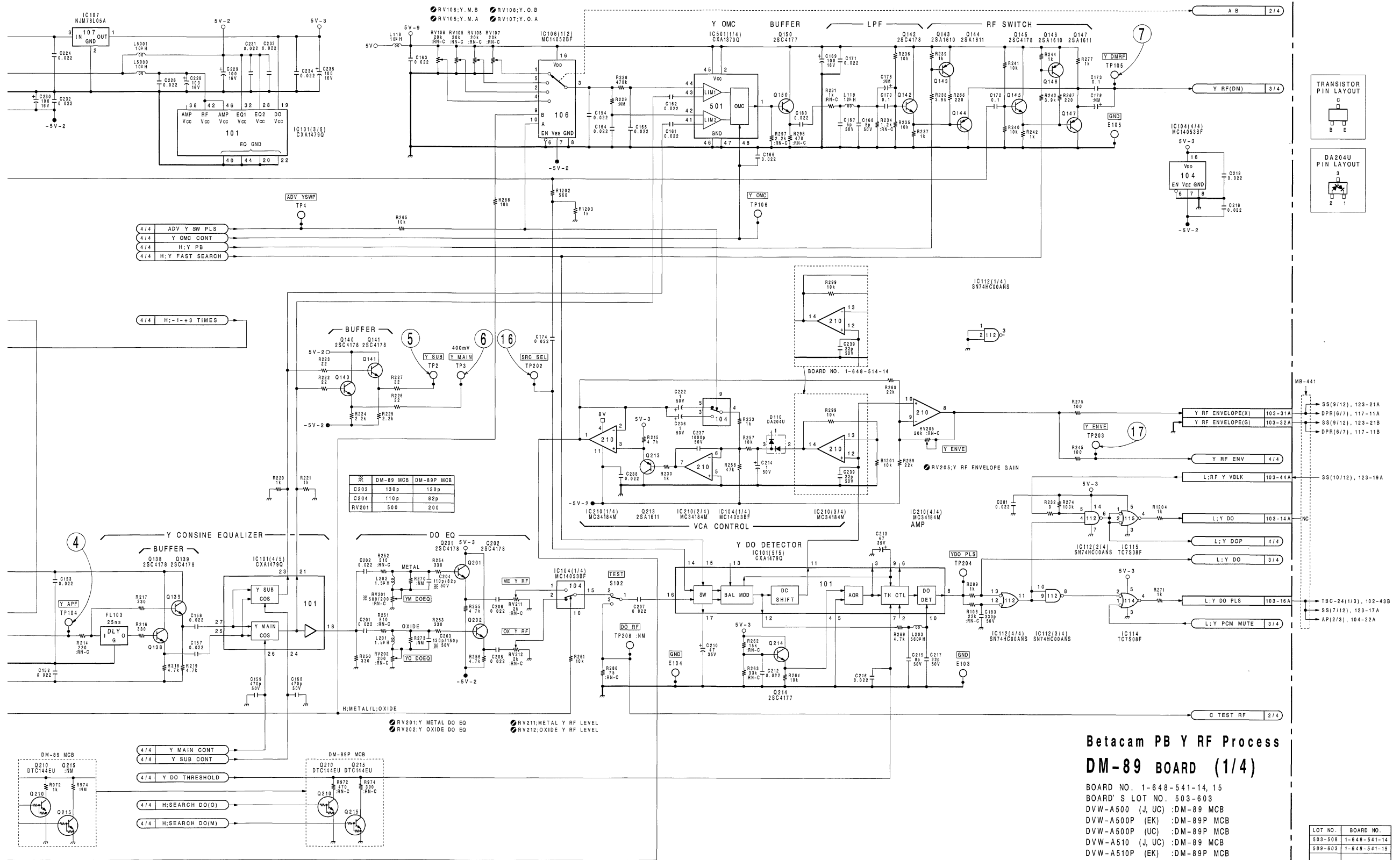
Betacam PB Control
DM-89 BOARD (4/4)

BOARD NO. 1-648-541-16. 17
BOARD'S LOT NO. 605-
DVW-A500 (J, UC) : DM-89 MCB
DVW-A500P (EK) : DM-89P MCB
DVW-A500P (UC) : DM-89P MCB
DVW-A510 (J, UC) : DM-89 MCB
DVW-A510P (EK) : DM-89P MCB
DVW-CA510 (J, UC) : DM-89 MCB
DVW-CA510P (EK) : DM-89P MCB

DVW-DM89-ALL-A-PB-S/M-06-D



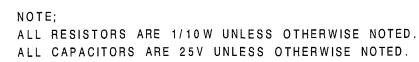
NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

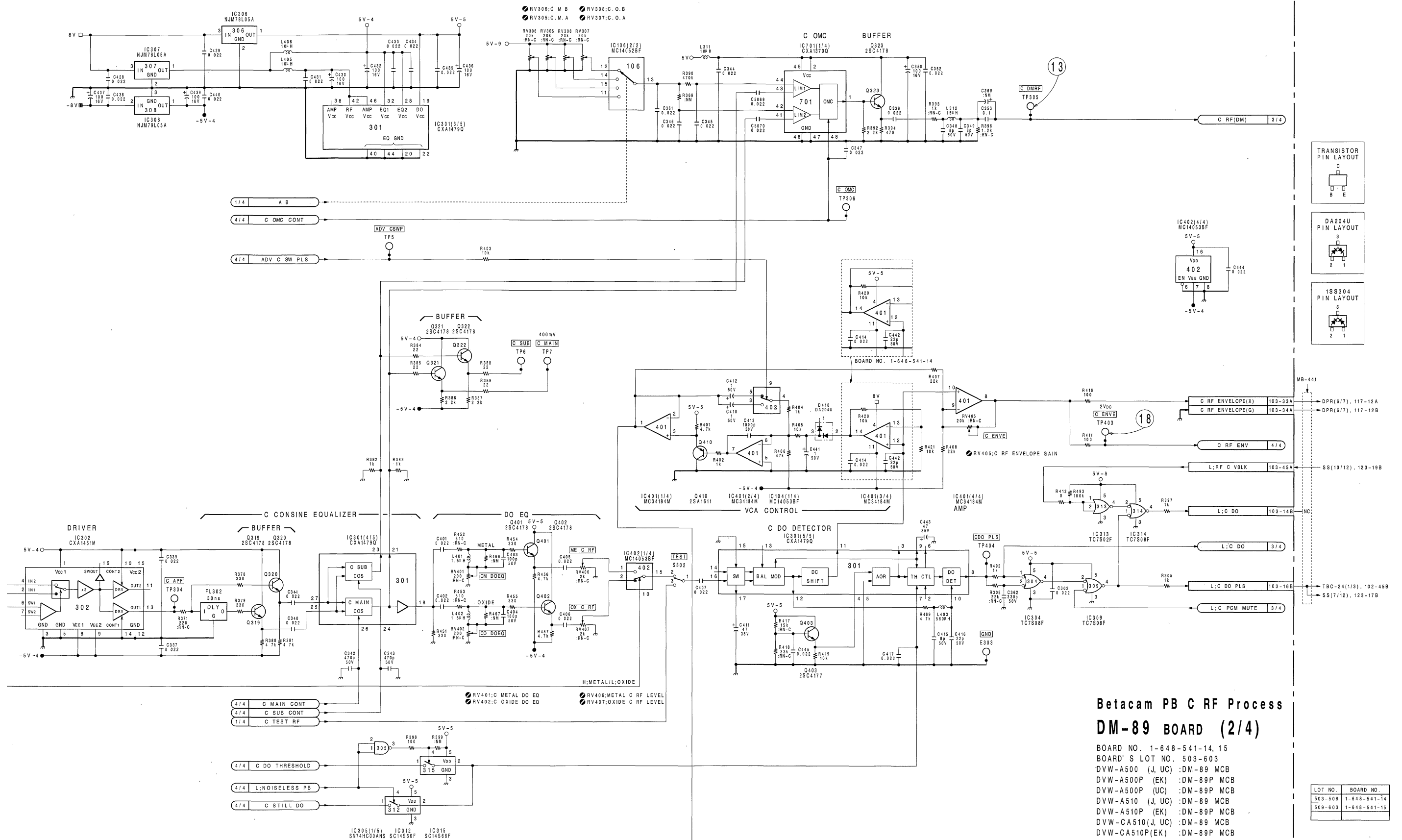


Betacam PB Y RF Process DM-89 BOARD (1/4)

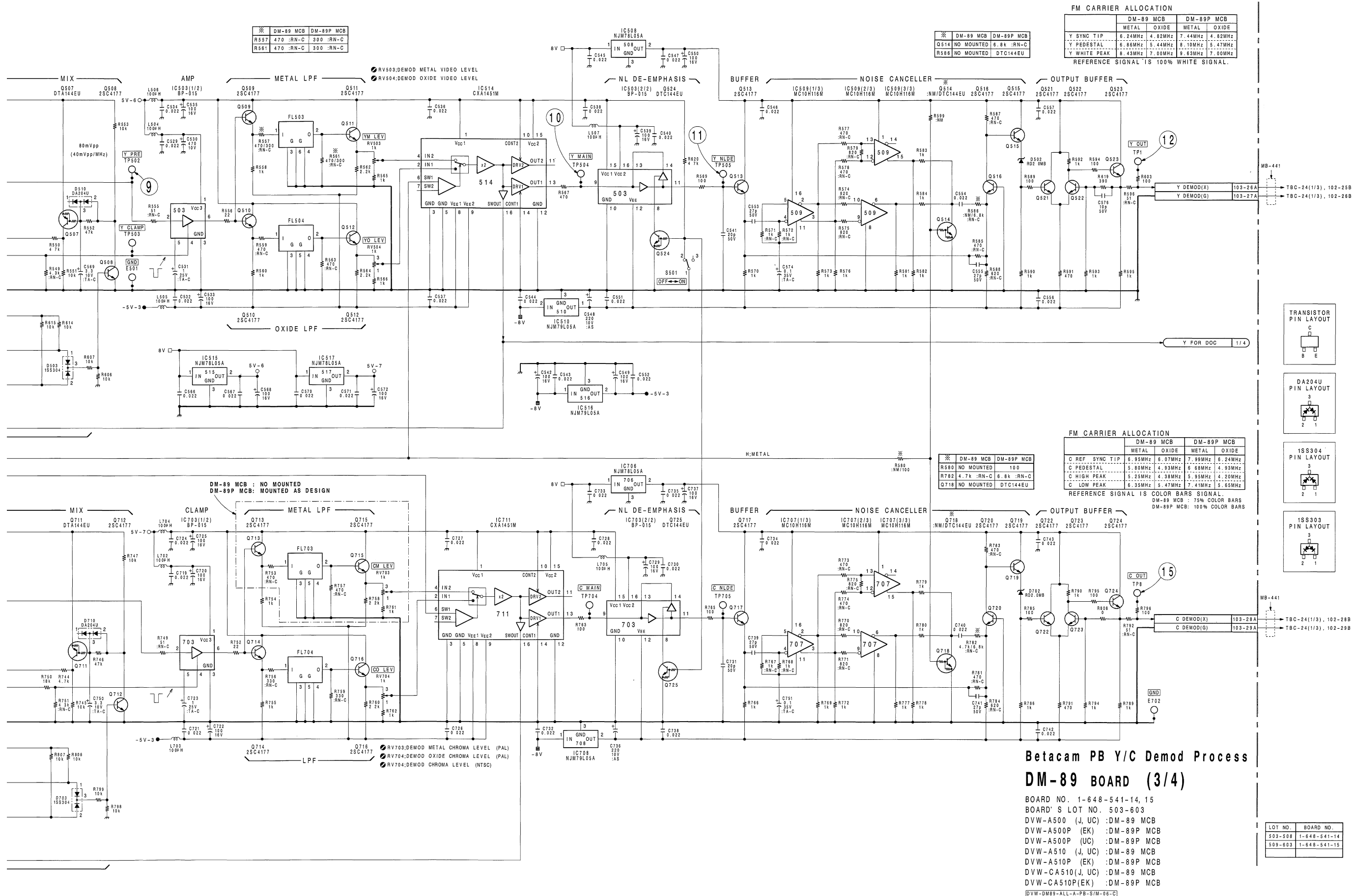
BOARD NO. 1-648-541-14, 15
BOARD'S LOT NO. 503-603
DVW-A500 (J, UC) :DM-89 MCB
DVW-A500P (EK) :DM-89P MCB
DVW-A500P (UC) :DM-89P MCB
DVW-A510 (J, UC) :DM-89 MCB
DVW-A510P (EK) :DM-89P MCB
DVW-CA510(J, UC) :DM-89 MCB
DVW-CA510P(EK) :DM-89P MCB

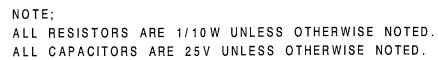
LOT NO.	BOARD NO.
503-508	1-648-541-14
509-603	1-648-541-15

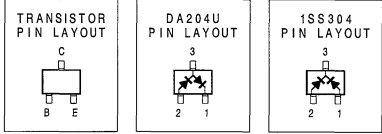
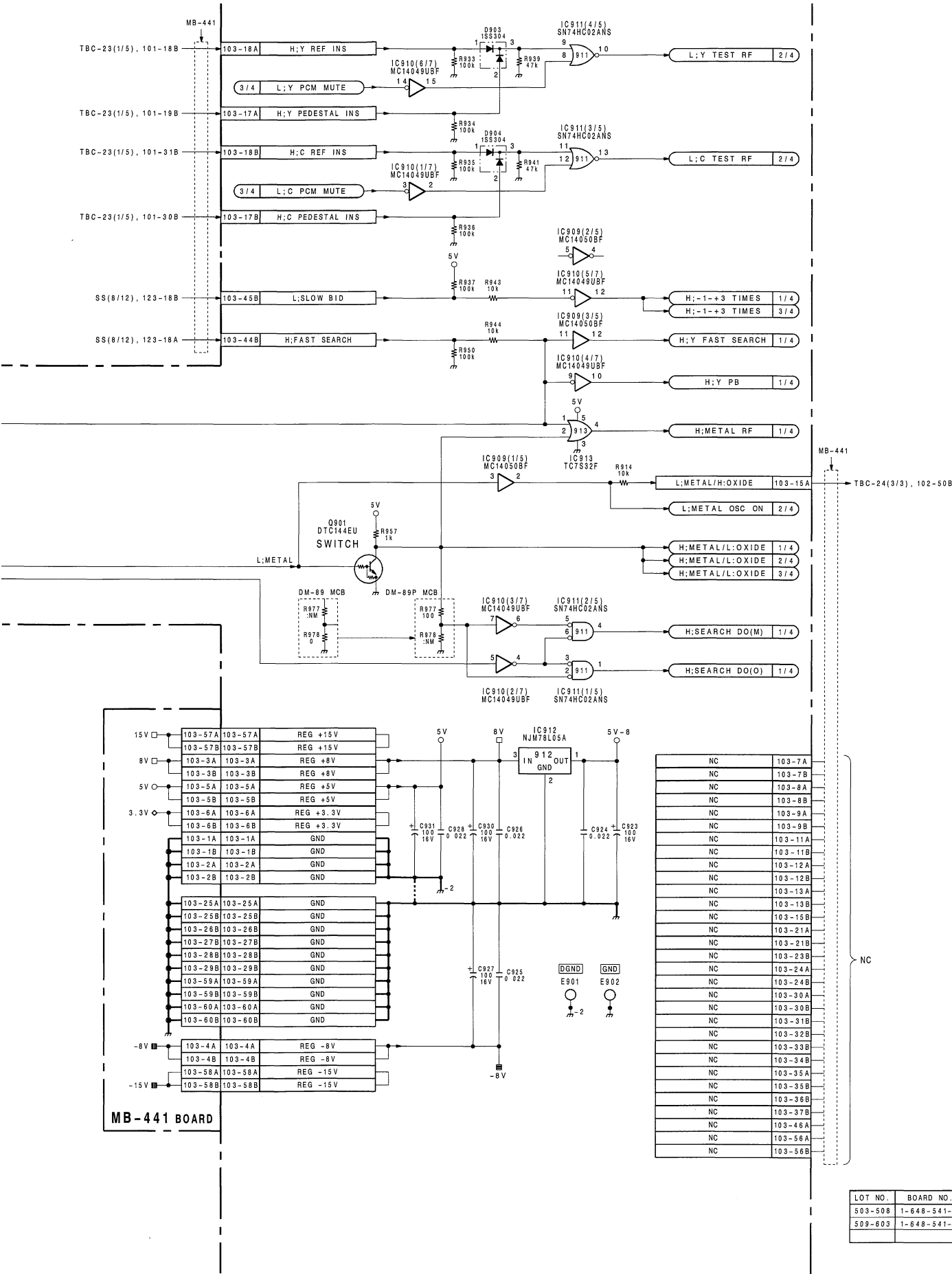








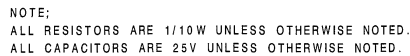


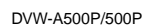


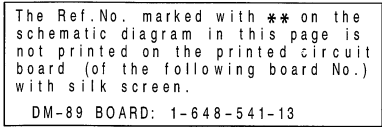
Betacam PB Control
DM-89 BOARD (4/4)

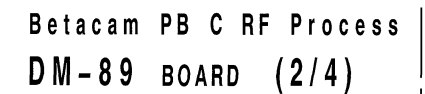
BOARD NO. 1-648-541-14, 15
BOARD S LOT NO. 503-603
DVW-A500 (J, UC) :DM-89 MCB
DVW-A500P (EK) :DM-89P MCB
DVW-A500P (UC) :DM-89P MCB
DVW-A510 (J, UC) :DM-89 MCB
DVW-A510P (EK) :DM-89P MCB
DVW-CA510(J, UC) :DM-89 MCB
DVW-CA510P(EK) :DM-89P MCB

DVW-DM89-ALL-A-PB-S/M-06-C

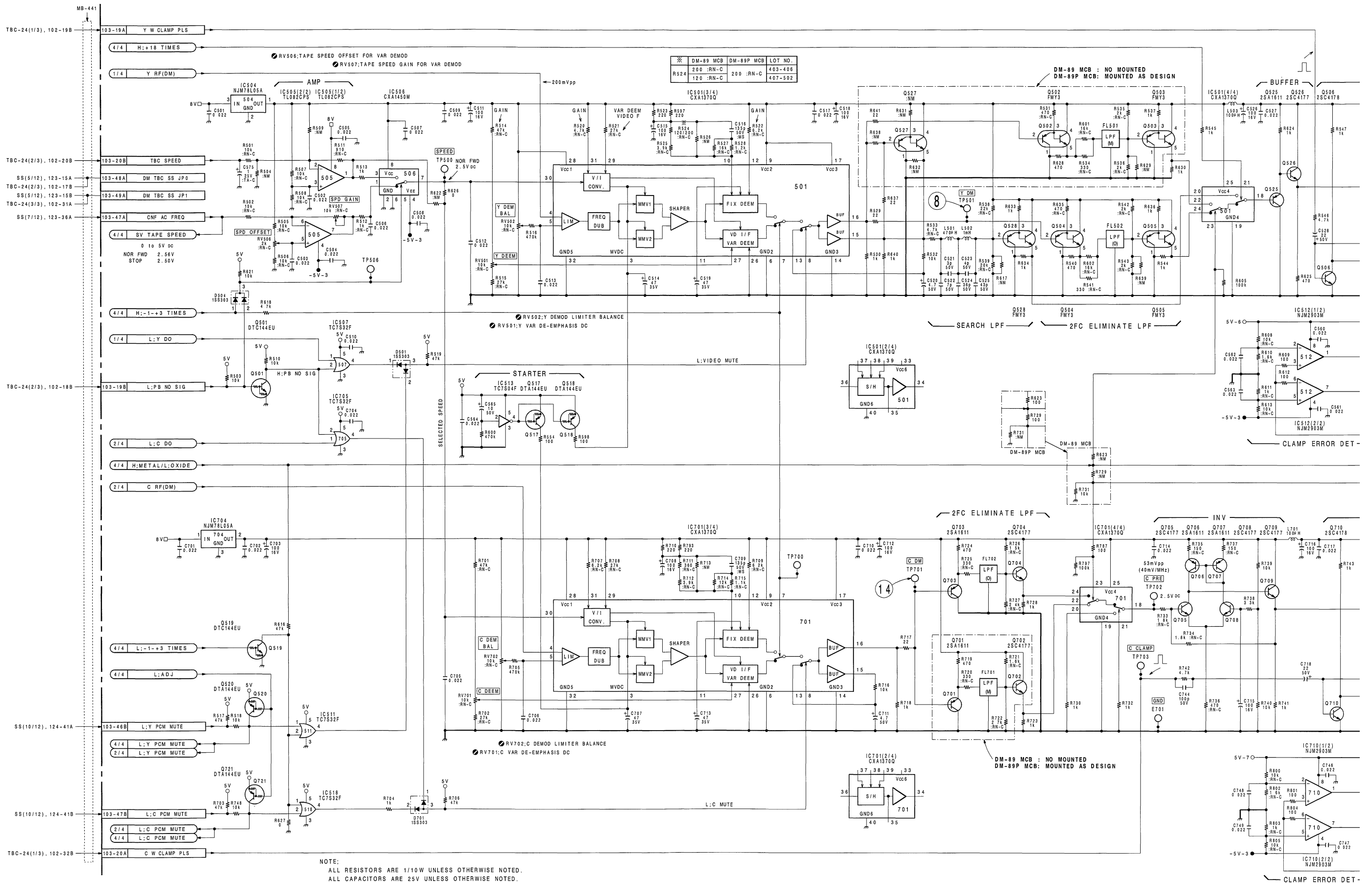


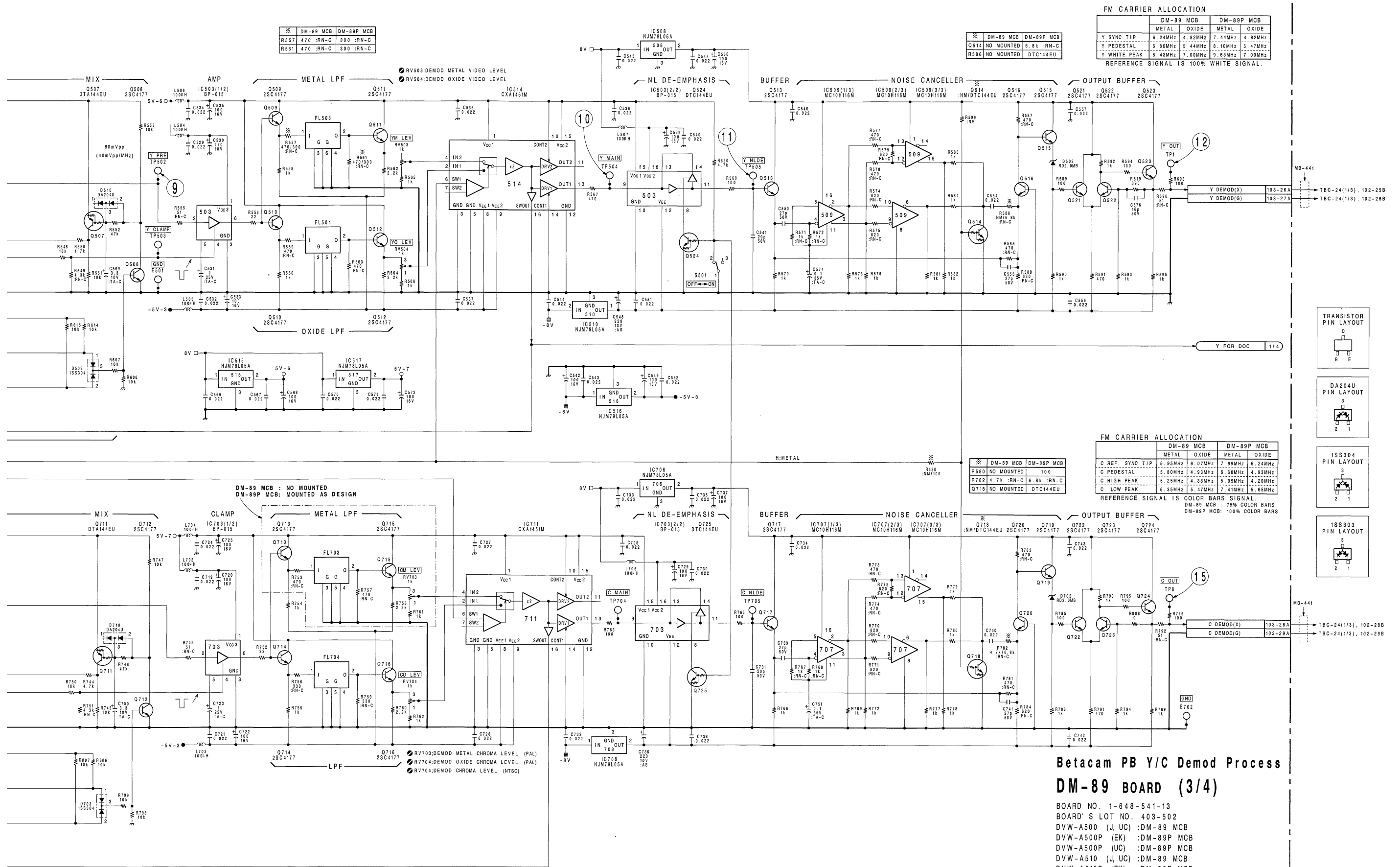


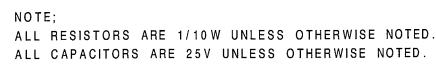


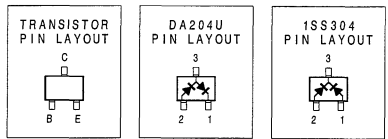
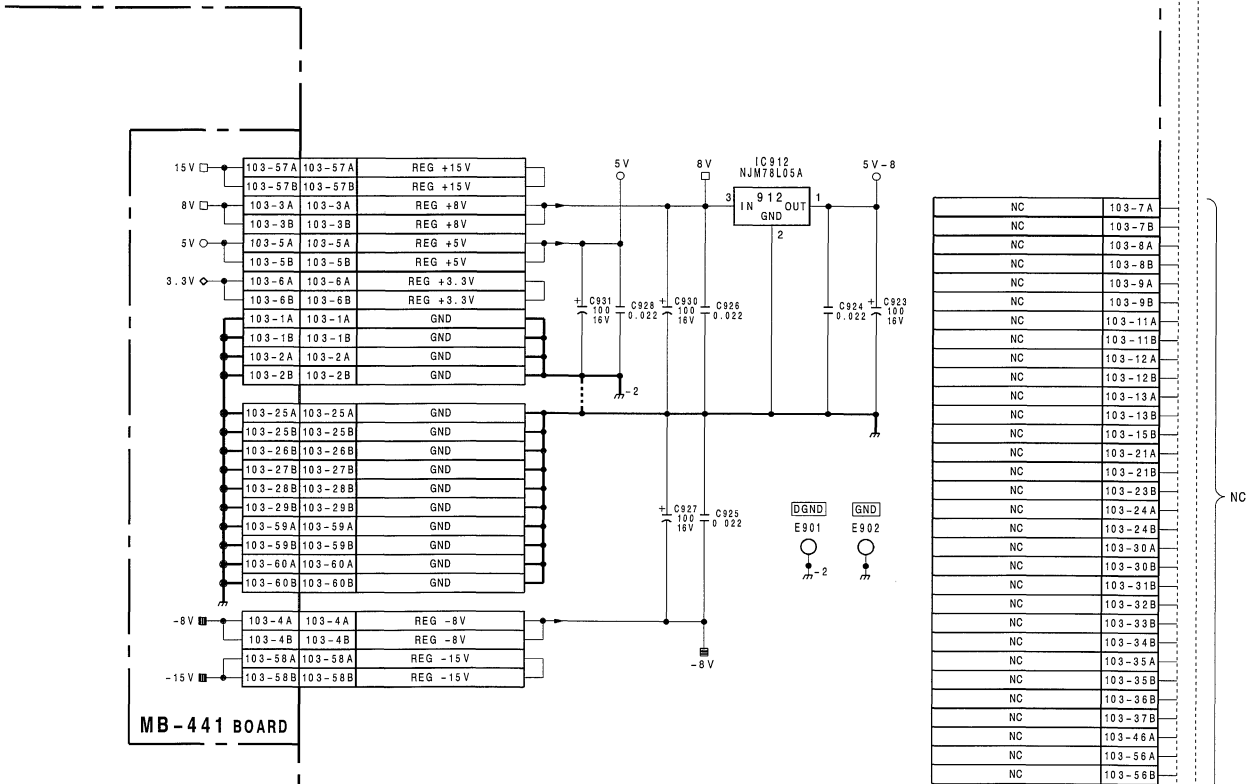
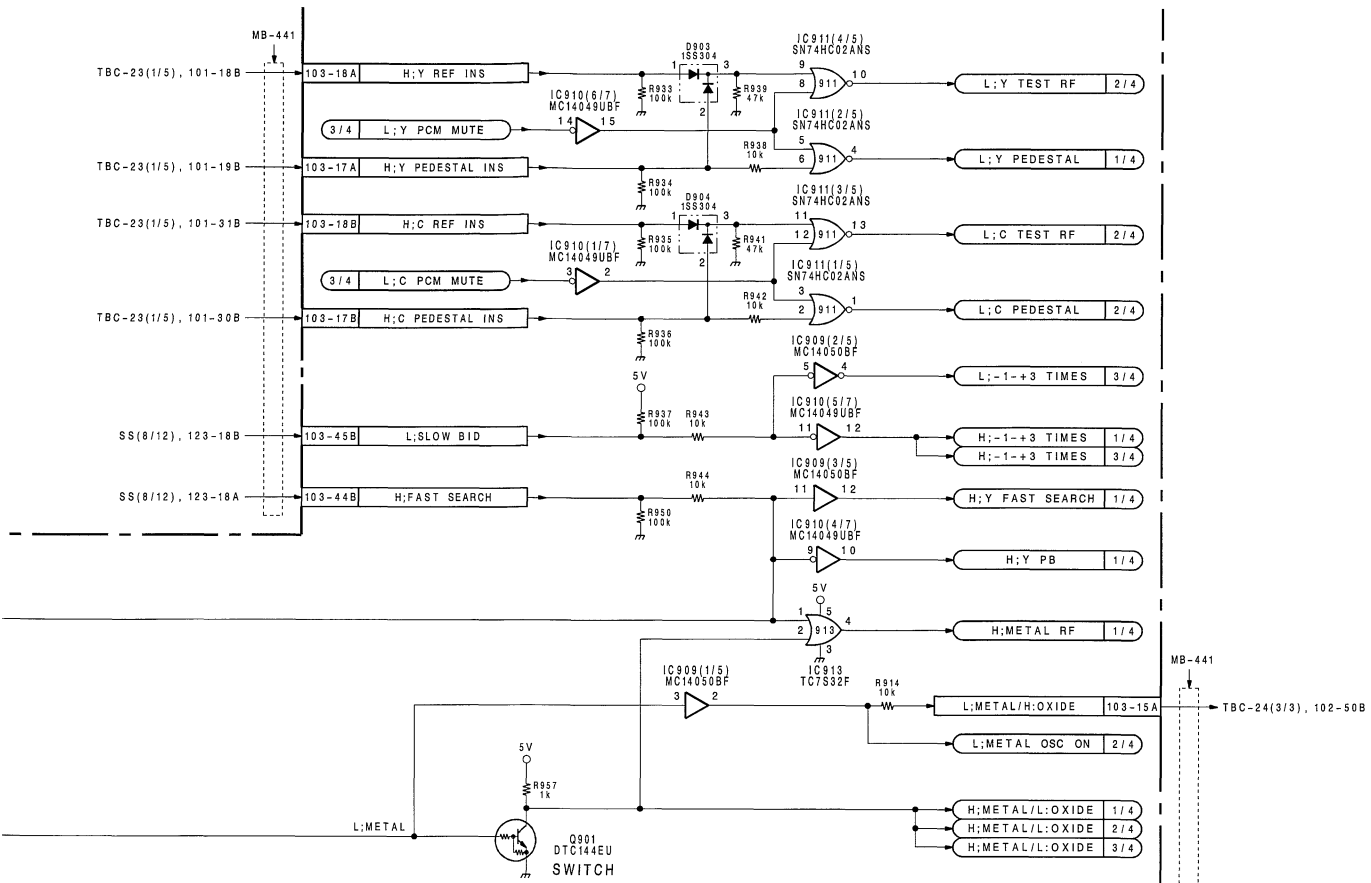


DVW-DM89-ALL-A-PB-S/M-06-B









Betacam PB Control
DM-89 BOARD (4/4)

BOARD NO. 1-648-541-13
BOARD'S LOT NO. 403-502
DVW-A500 (J, UC) :DM-89 MCB
DVW-A500P (EK) :DM-89P MCB
DVW-A500P (UC) :DM-89P MCB
DVW-A510 (J, UC) :DM-89 MCB
DVW-A510P (EK) :DM-89P MCB
DVW-CA510(J, UC) :DM-89 MCB
DVW-CA510P(EK) :DM-89P MCB
DVW-DM89-ALL-A-PB-S/M-06-B

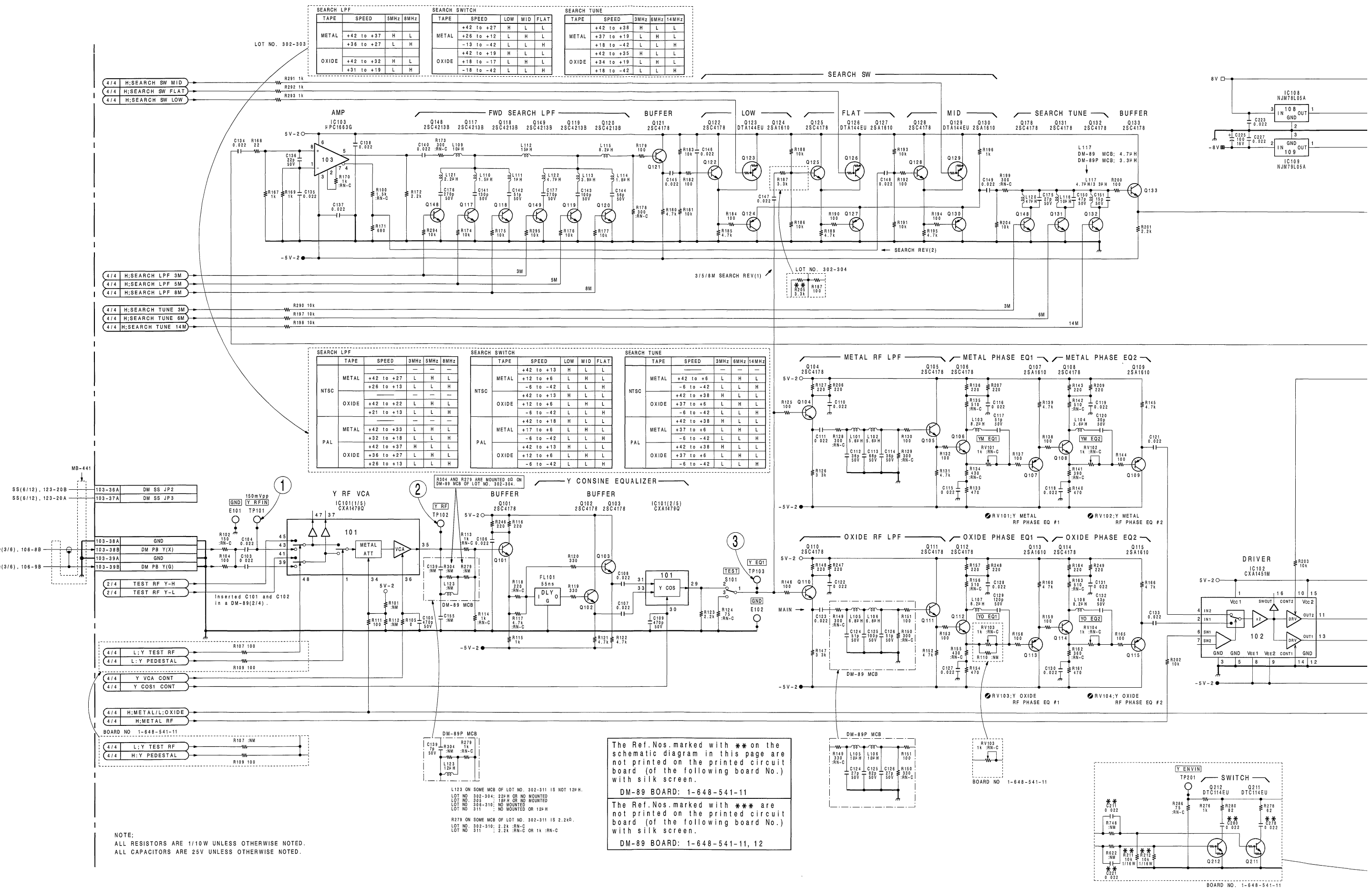
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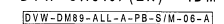
2

3

4

5





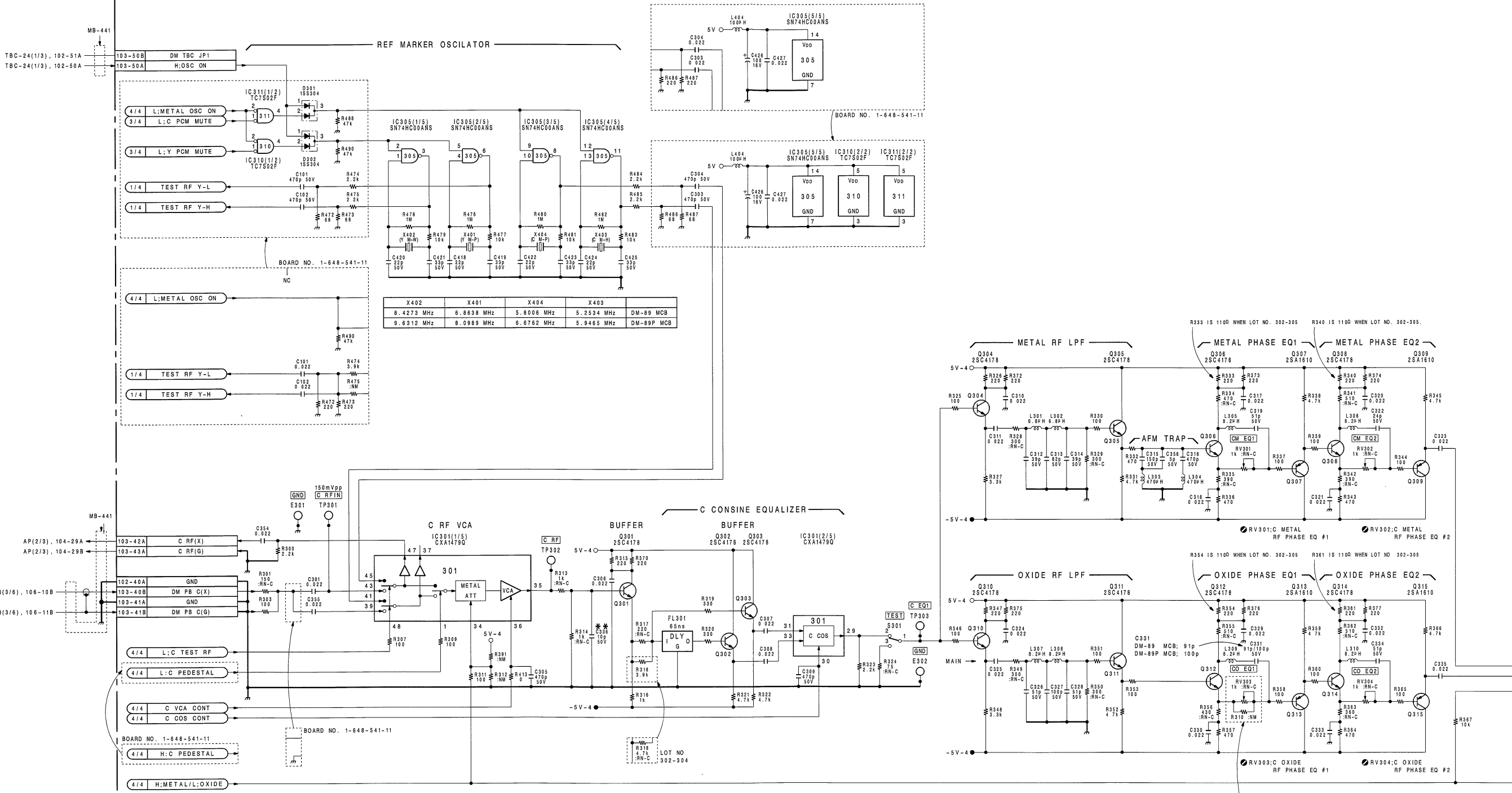
1

2

3

4

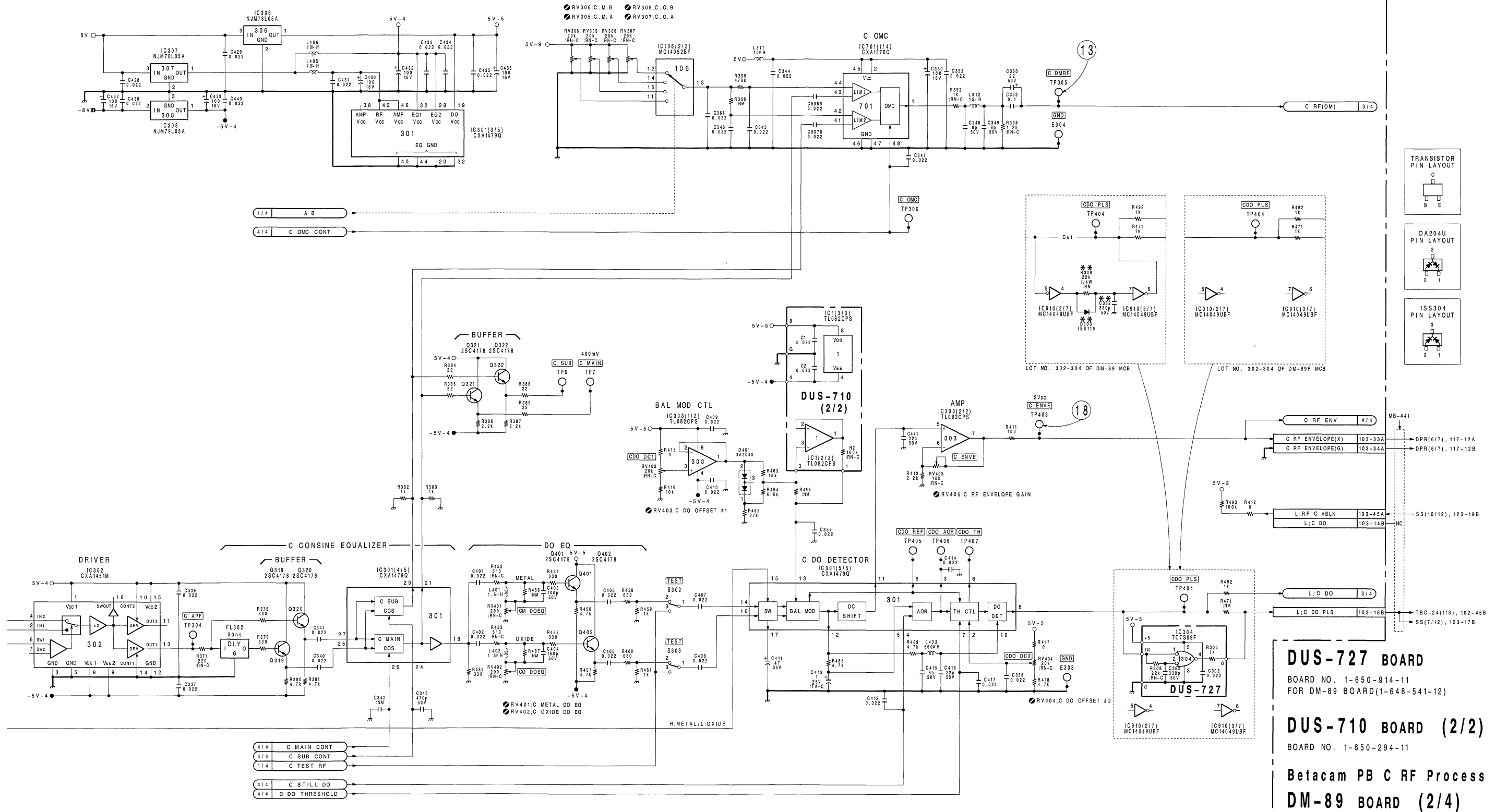
5

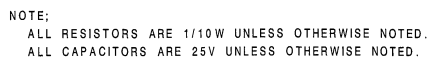


The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit board (of the following board No.) with silk screen.

DM-89 BOARD: 1-648-541-11

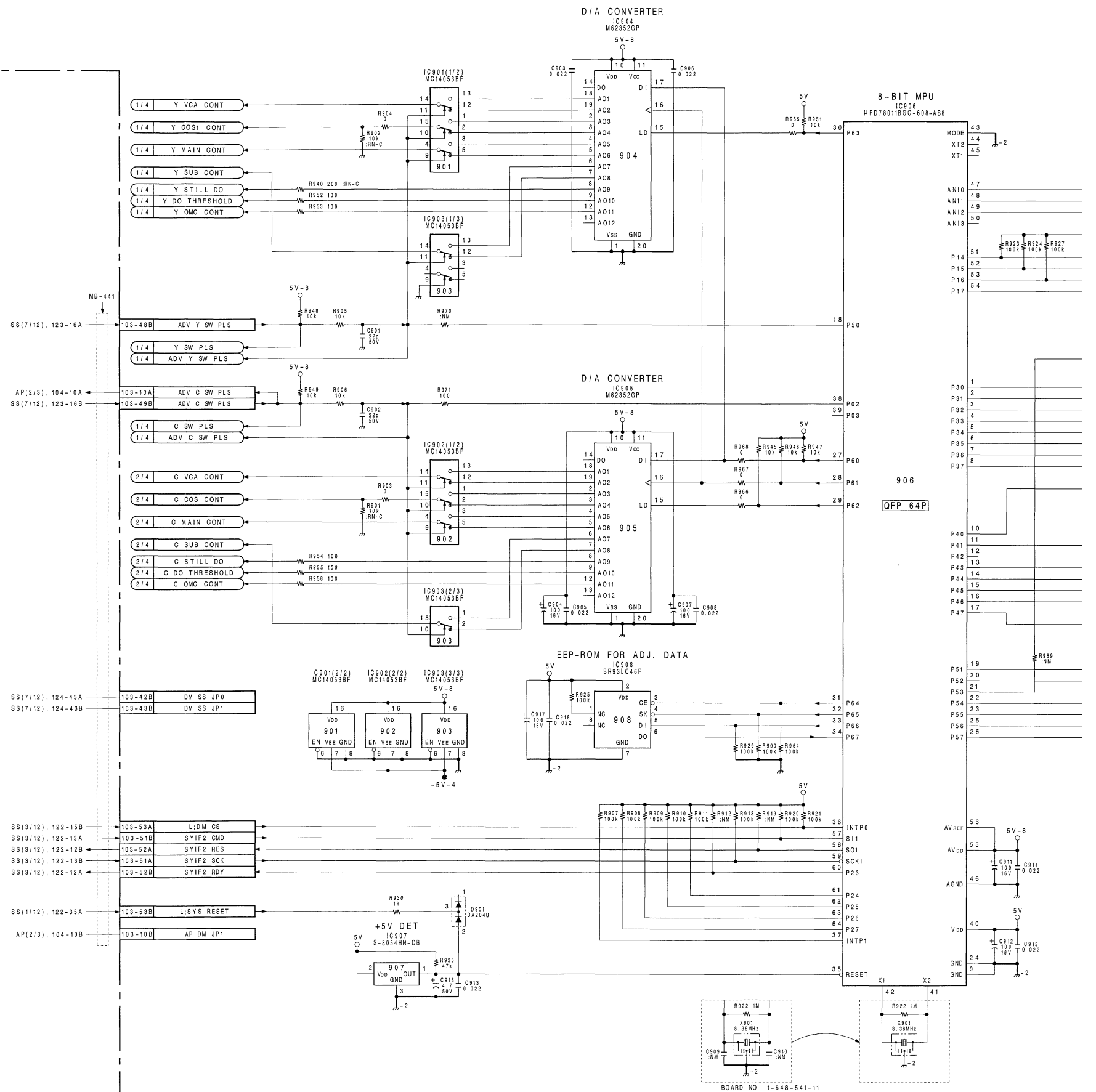
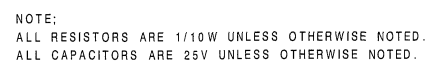
NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.





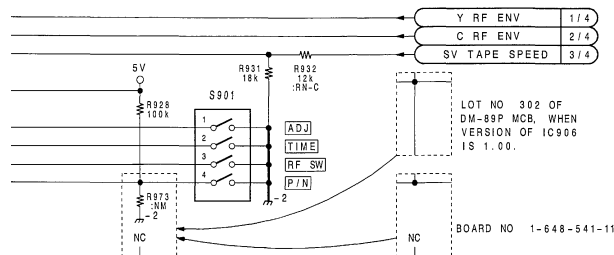


LOT NO.	BOARD NO.
302-304	1-648-541-11
305-402	1-648-541-12



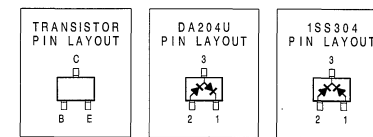
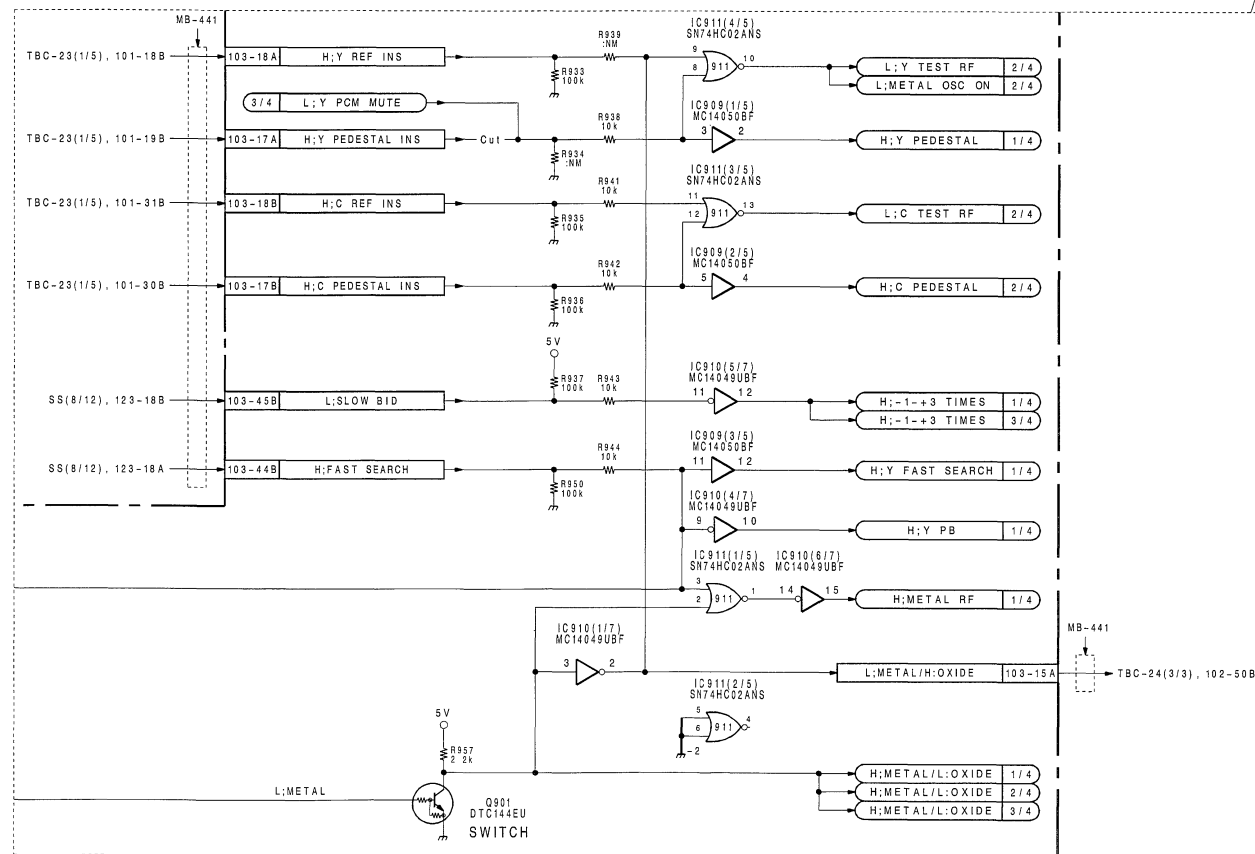
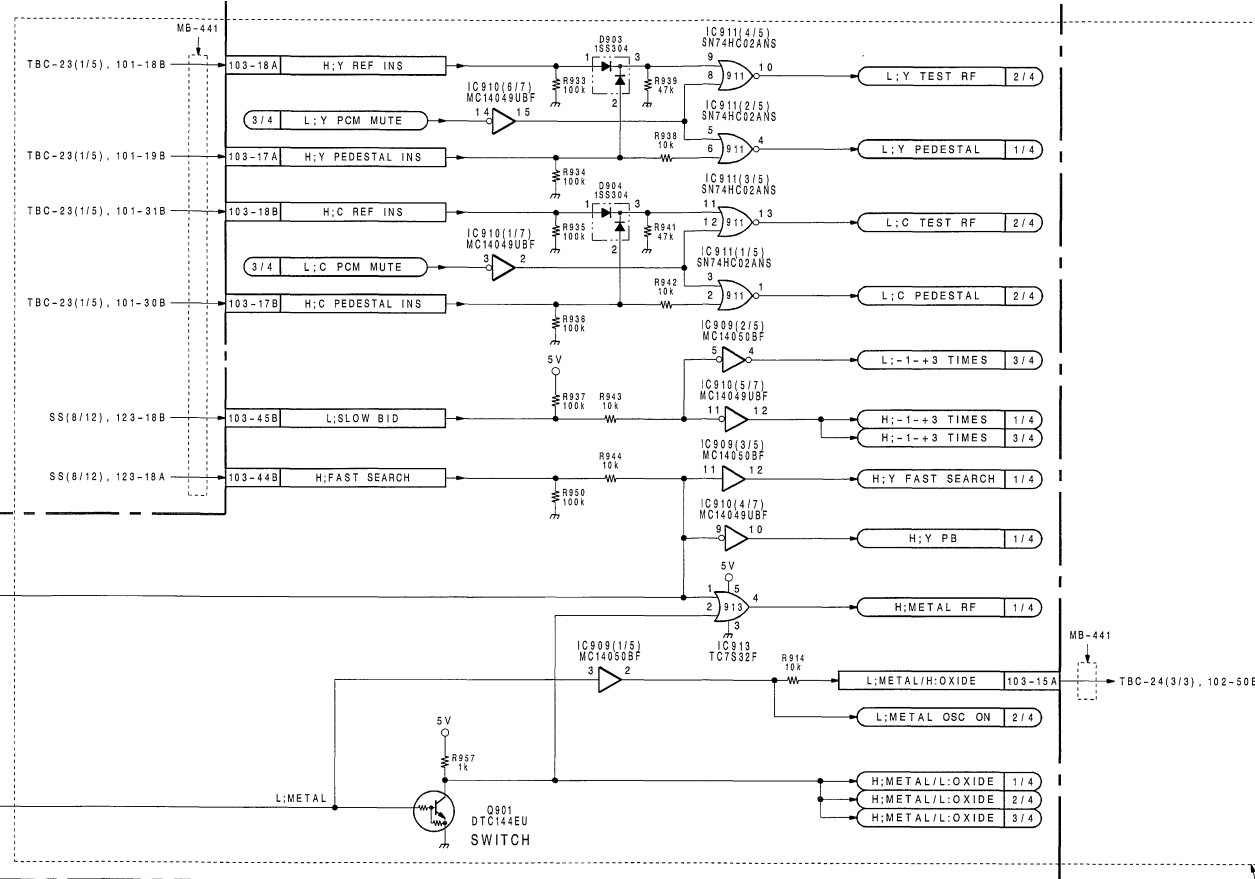
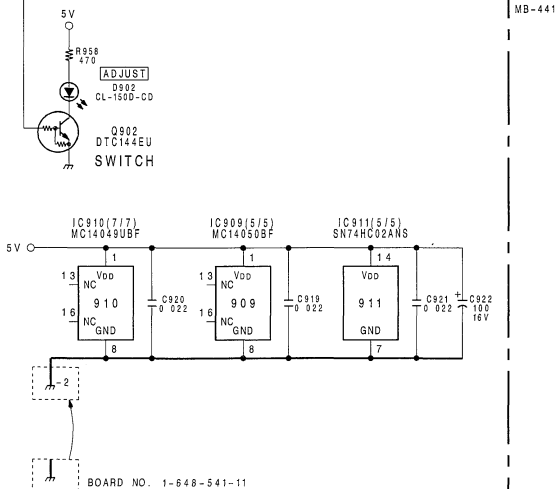
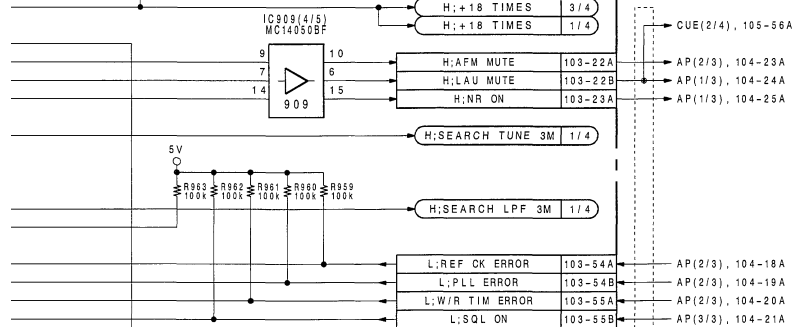
BOARD NO 1-648-541-11

FACTORY SETTING OF S901				
	1	2	3	4
ADJ	TIME	RF SW	P/N	
DM-89 MCB	OFF	OFF	OFF	ON
DM-89P MCB	OFF	OFF	OFF	OFF



- H:SEARCH TUNE 14M 1/4
- H:SEARCH TUNE 6M 1/4
- H:SEARCH SW FLAT 1/4
- L:Y DOP 1/4
- H:SEARCH SW LOW 1/4
- H:SEARCH LPF 6M 1/4
- H:SEARCH LPF 5M 1/4
- H:SEARCH SW MID 1/4

BUFFER

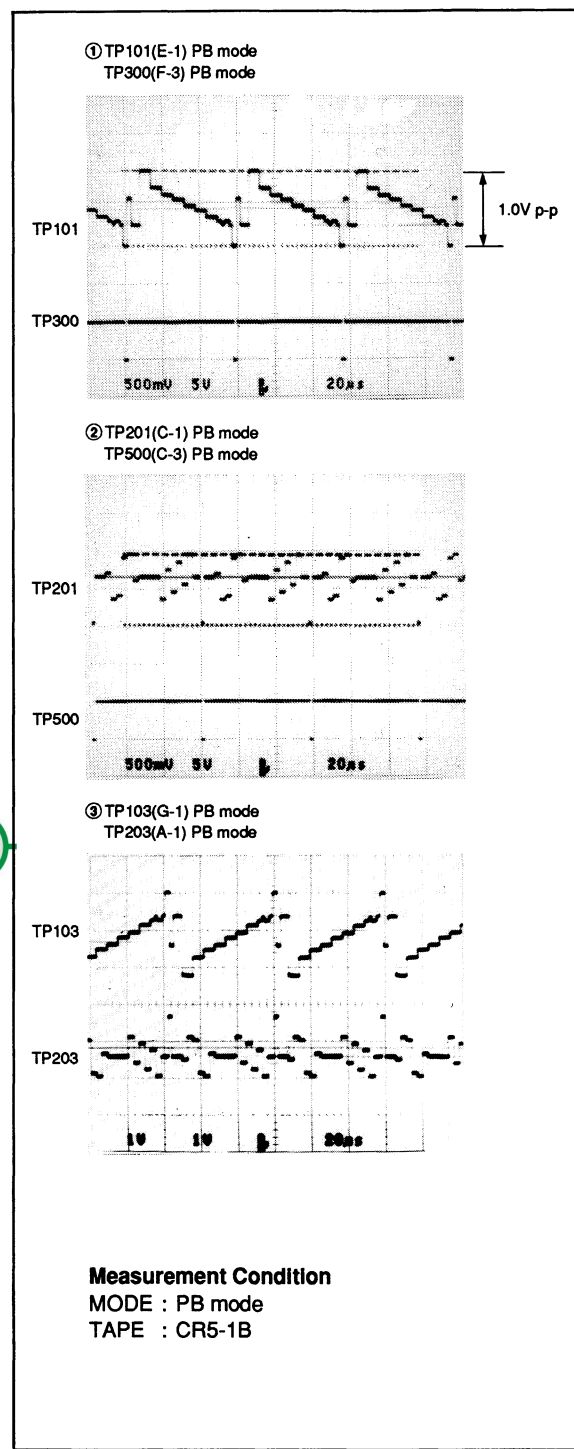
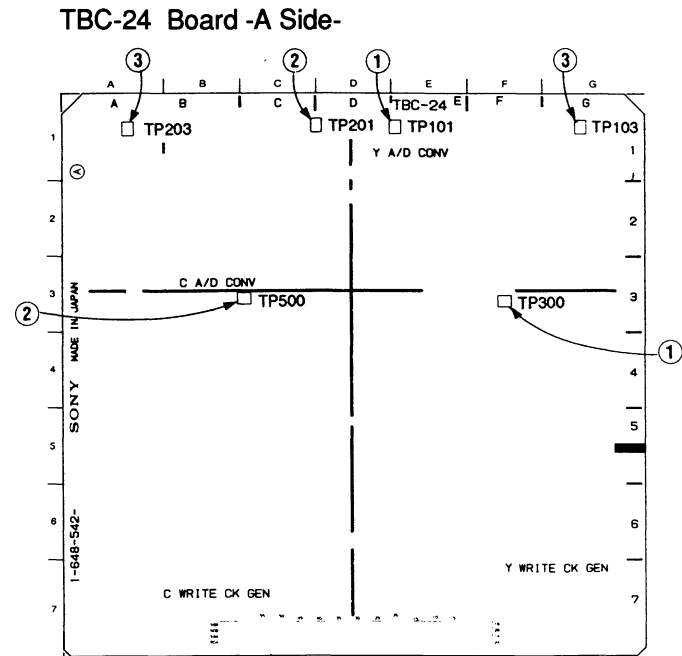


Betacam PB Control
DM-89 BOARD (4/4)

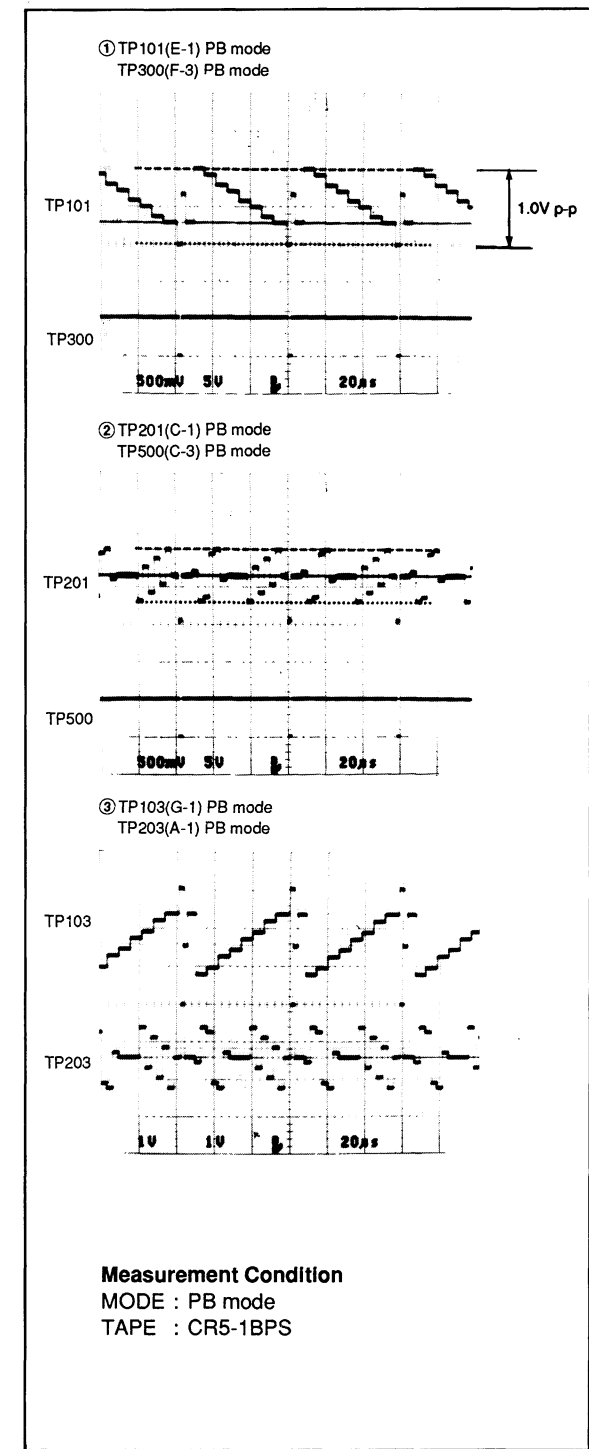
BOARD NO. 1-648-541-11, 12
BOARD'S LOT NO. 302-402
DVW-A500 (J, UC) :DM-89 MCB
DVW-A500P (EK) :DM-89P MCB
DVW-A500P (UC) :DM-89P MCB
DVW-A510 (J, UC) :DM-89 MCB
DVW-A510P (EK) :DM-89P MCB
DVW-CA510 (UC) :DM-89 MCB
DVW-CA510P(EK) :DM-89P MCB

LOT NO.	BOARD NO.
302-304	1-648-541-11
305-402	1-648-541-12

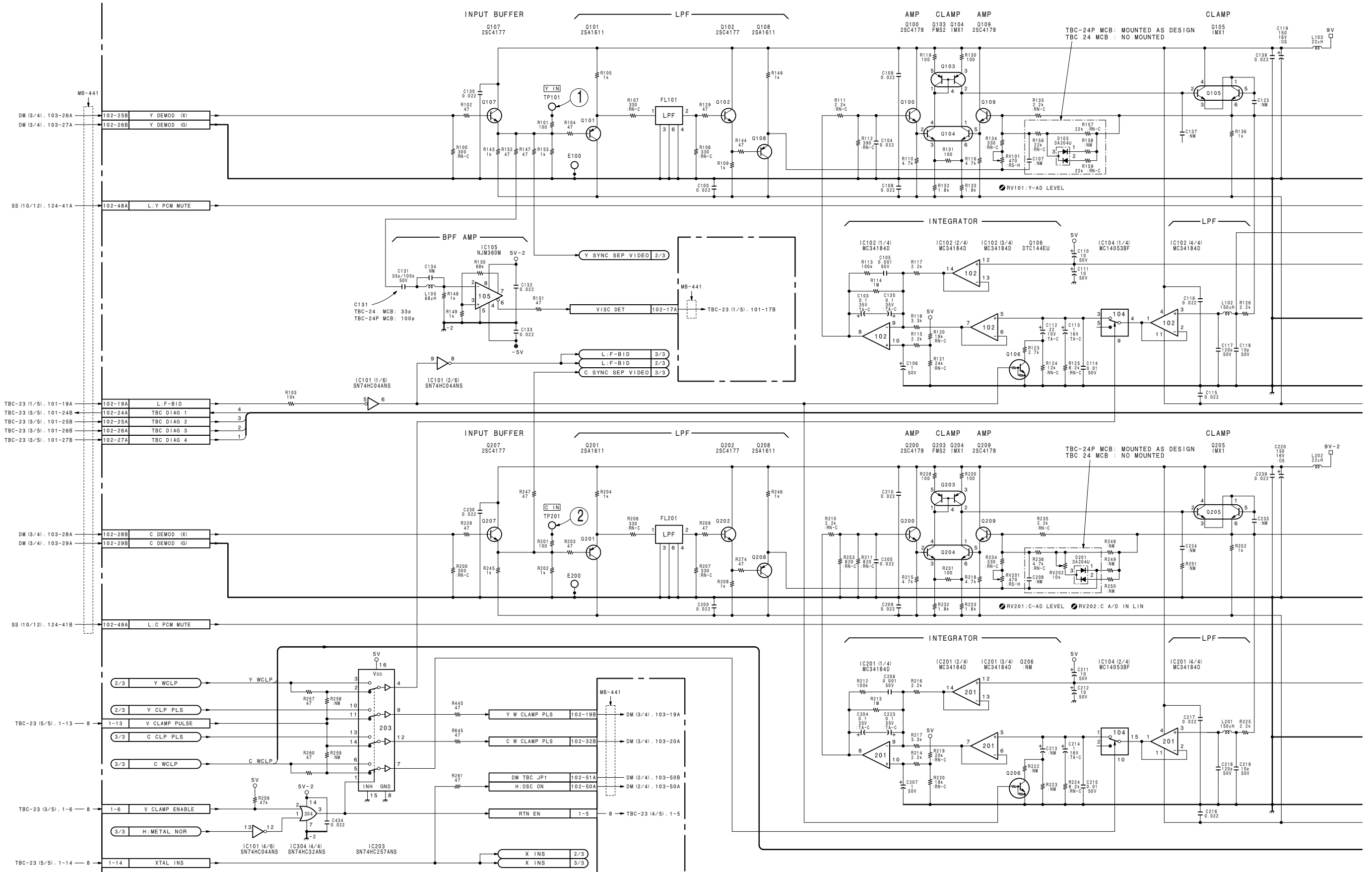
DVW-DM89-ALL-A-PB-S/M-06-A

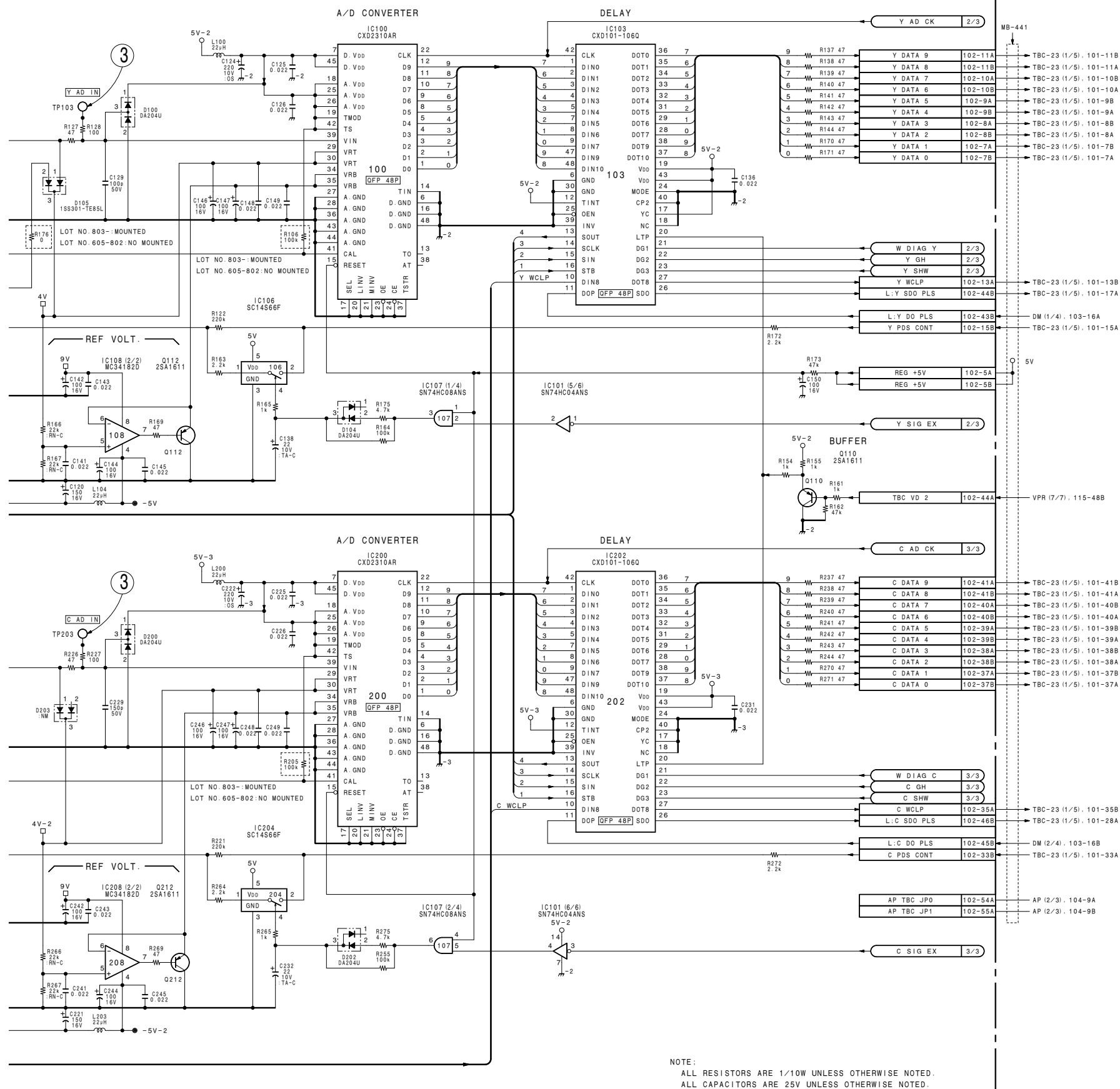


For DVW-A500/A510/CA510

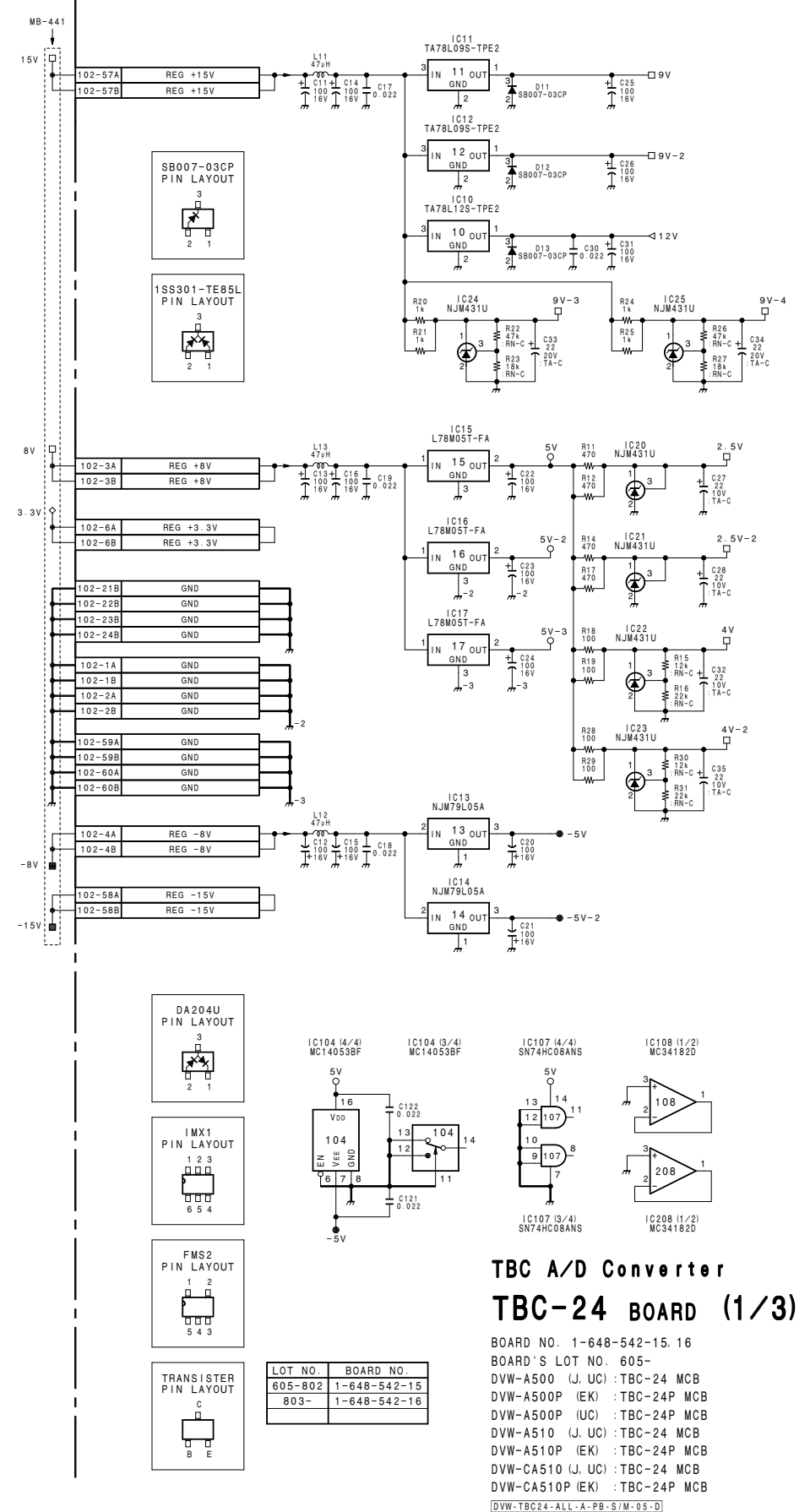


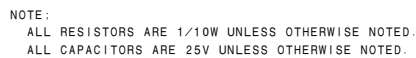
For DVW-A500P/A510P/CA510P

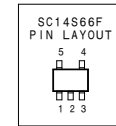
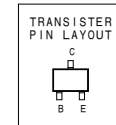
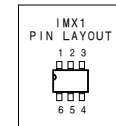
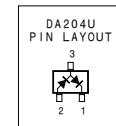
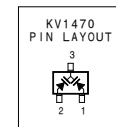
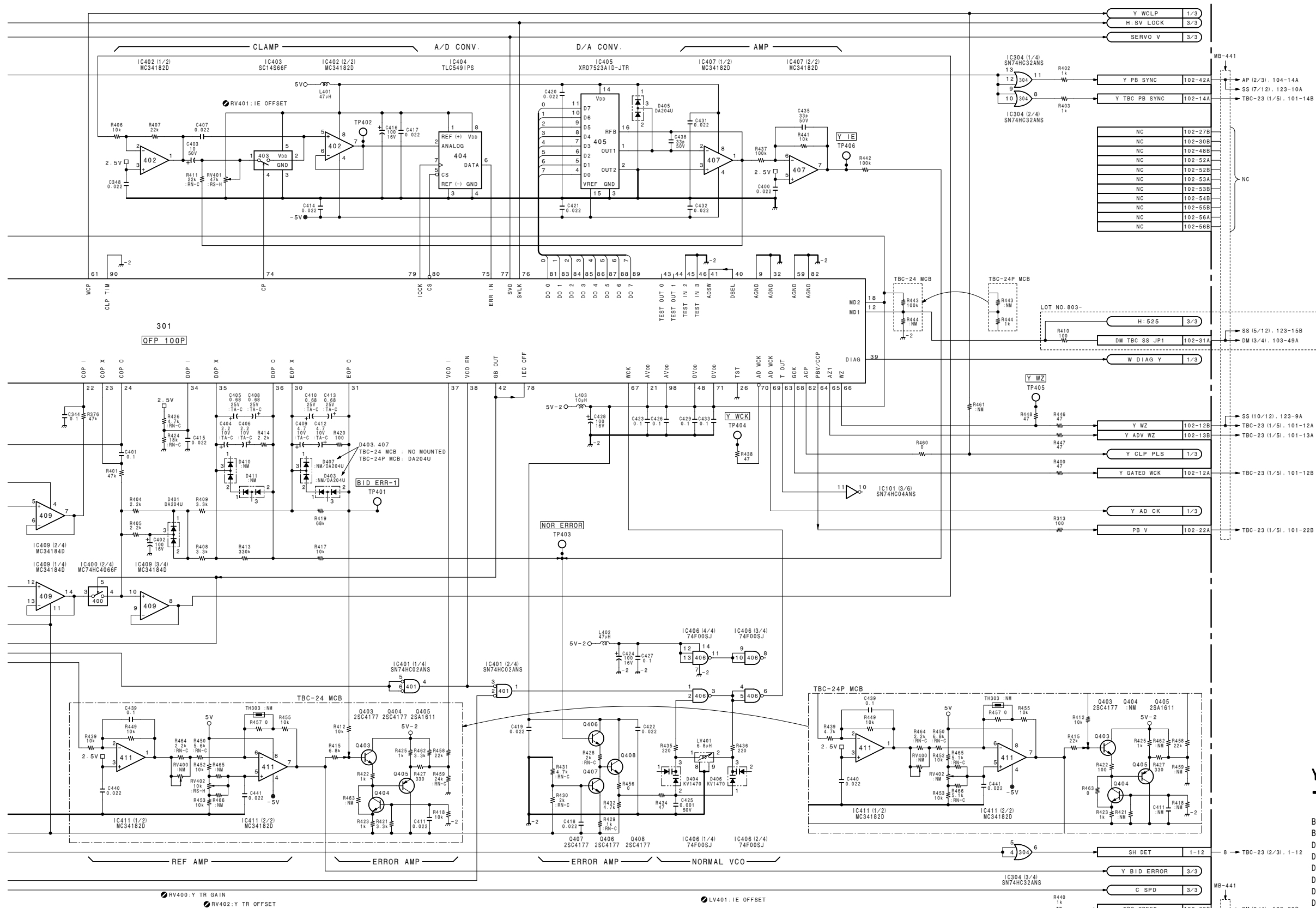




NOTE;
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.







LOT NO.	BOARD NO.
605-802	1-648-542-15
803-	1-648-542-16

Y Write Clock Generator
TBC-24 BOARD (2/3)

BOARD NO. 1-648-542-15. 16
BOARD'S LOT NO. 605-
DVW-A500 (J. UC) :TBC-24 MCB
DVW-A500P (EK) :TBC-24P MCB
DVW-A500P (UC) :TBC-24P MCB
DVW-A510 (J. UC) :TBC-24 MCB
DVW-A510P (EK) :TBC-24P MCB
DVW-CA510 (J. UC) :TBC-24 MCB
DVW-CA510P (EK) :TBC-24P MCB
DVW-TBC24-ALL-A-PB-S-M-05-D

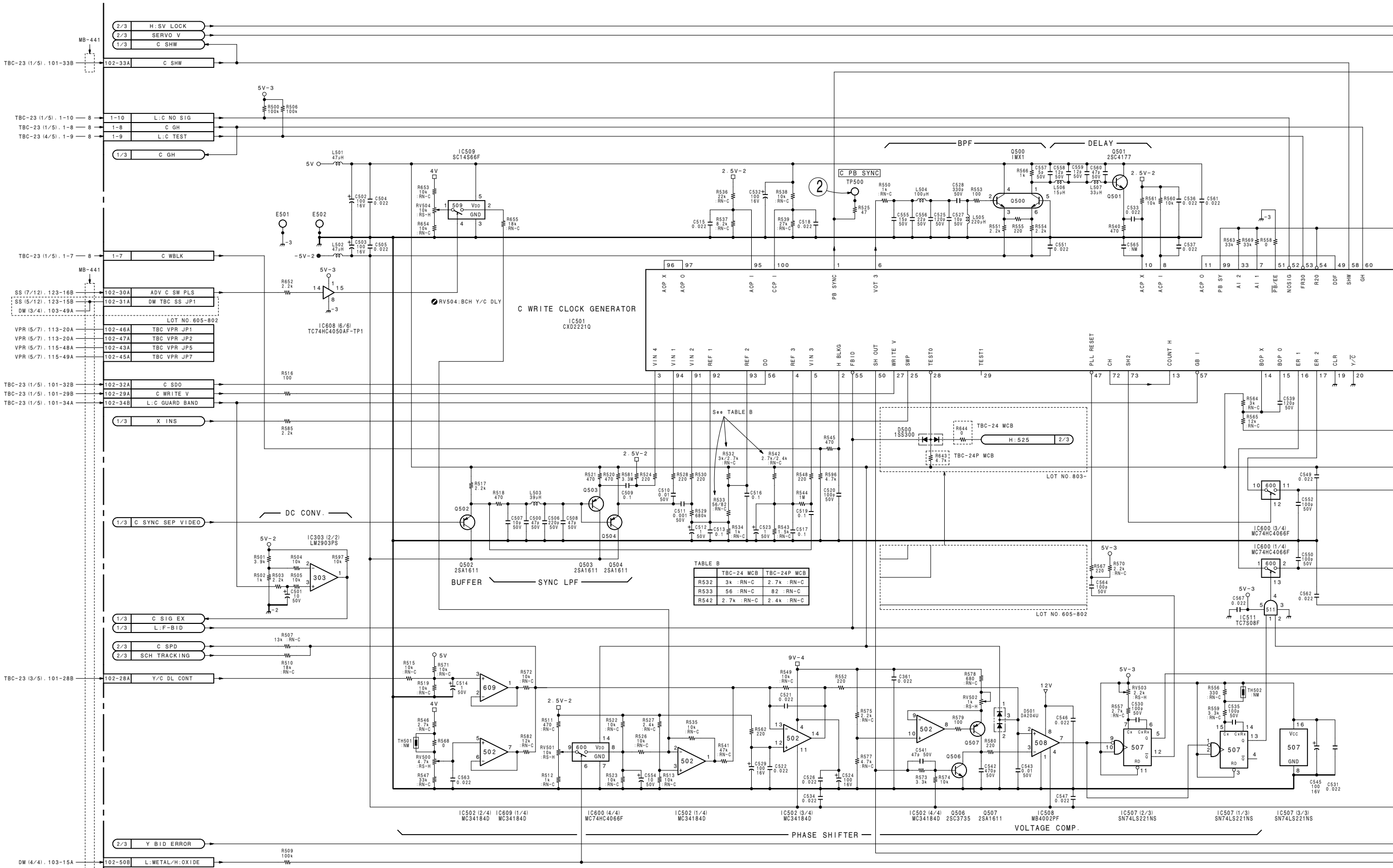
1

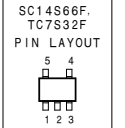
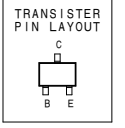
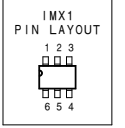
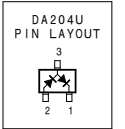
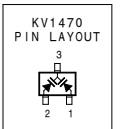
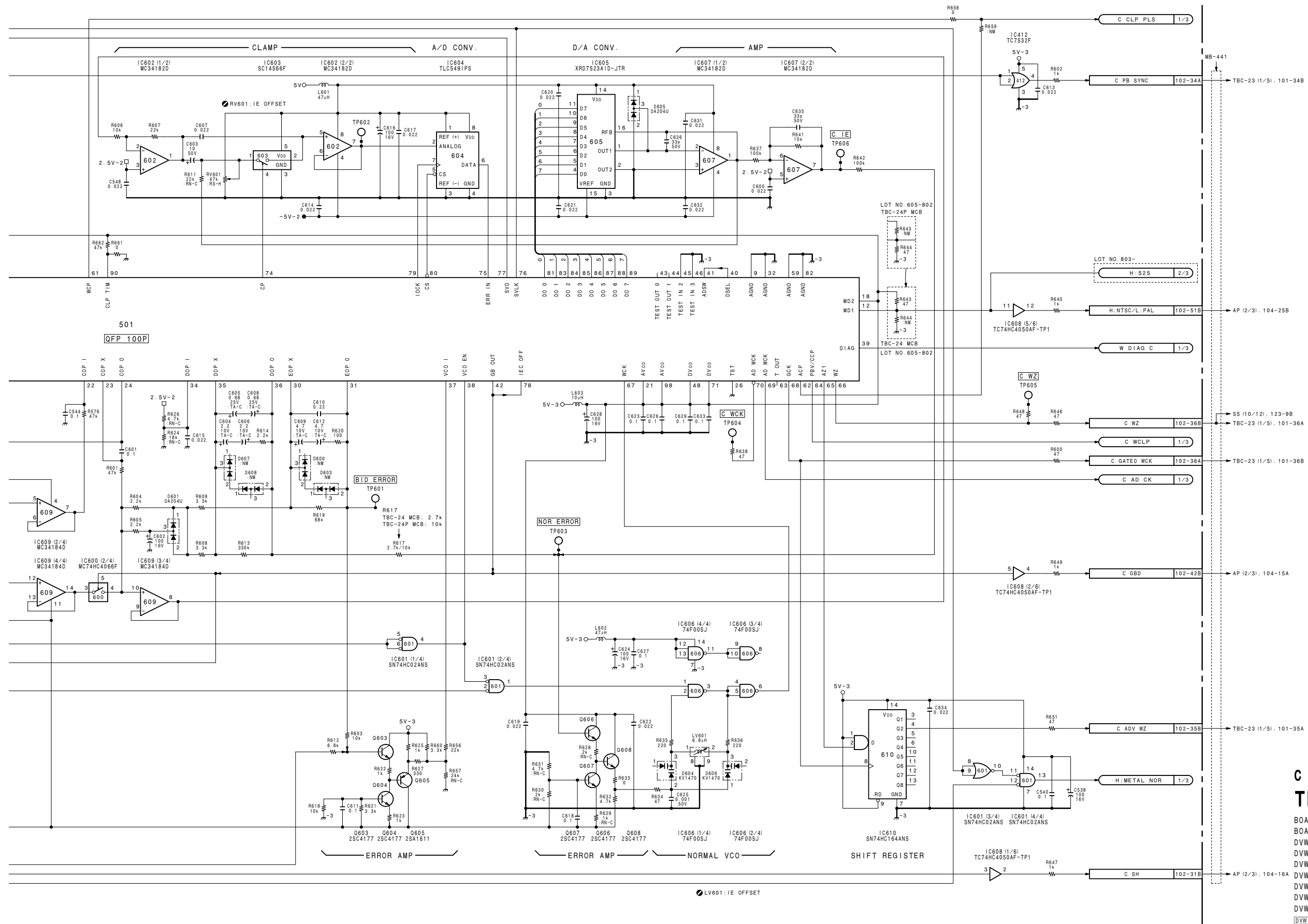
2

3

4

5

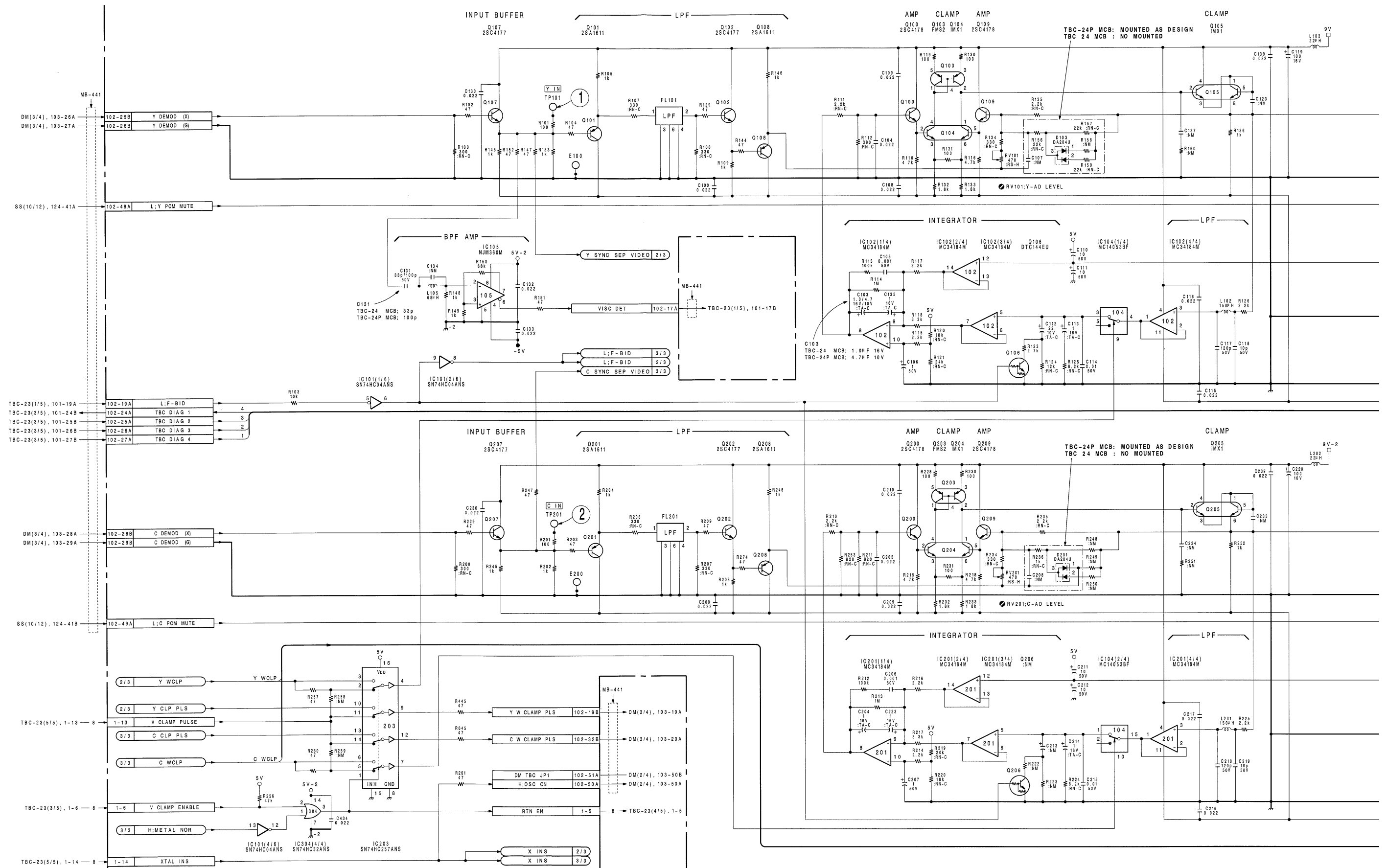


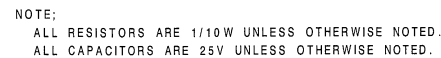


LOT NO.	BOARD NO.
605-802	1-648-542-15
803-	1-648-542-16

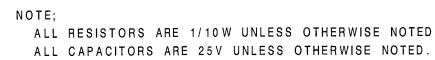
C Write Clock Generator TBC-24 BOARD (3/3)

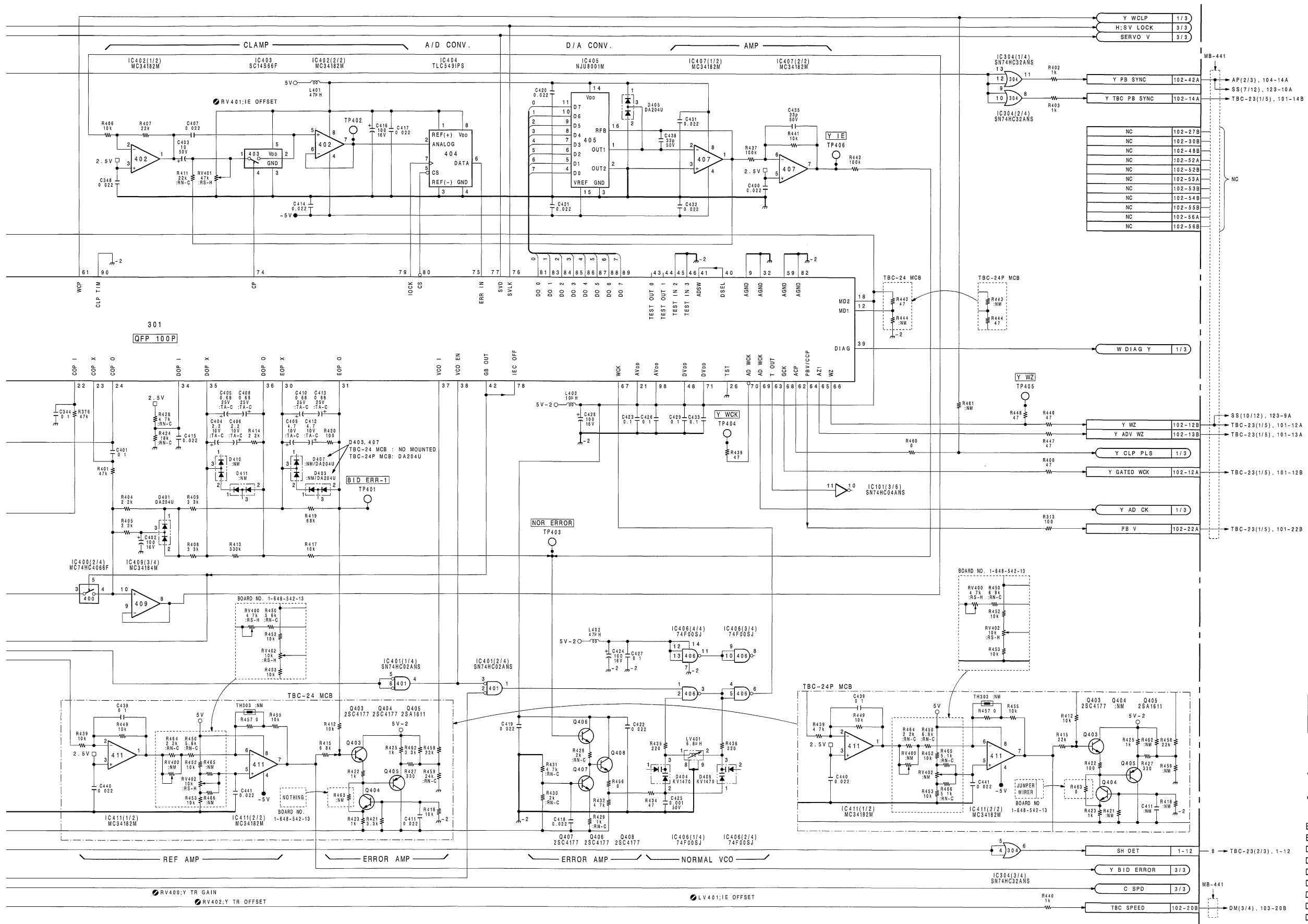
BOARD NO. 1-648-542-15, 16
BOARD'S LOT NO. 605-
DVW-A500 (J, UC) : TBC-24 MCB
DVW-A500P (EK) : TBC-24P MCB
DVW-A500P (UC) : TBC-24P MCB
DVW-A510 (J, UC) : TBC-24 MCB
DVW-A510P (EK) : TBC-24P MCB
DVW-CA510 (J, UC) : TBC-24 MCB
DVW-CA510P (EK) : TBC-24P MCB
[DVW-TBC24-ALL-A-PB-S/M-05-D]





DVW-TBC24-ALL-A-PB-S/M-05-C



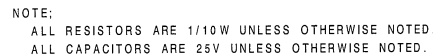


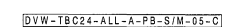
LOT NO.	BOARD NO.
403-502	1-648-542-13
503-603	1-648-542-14

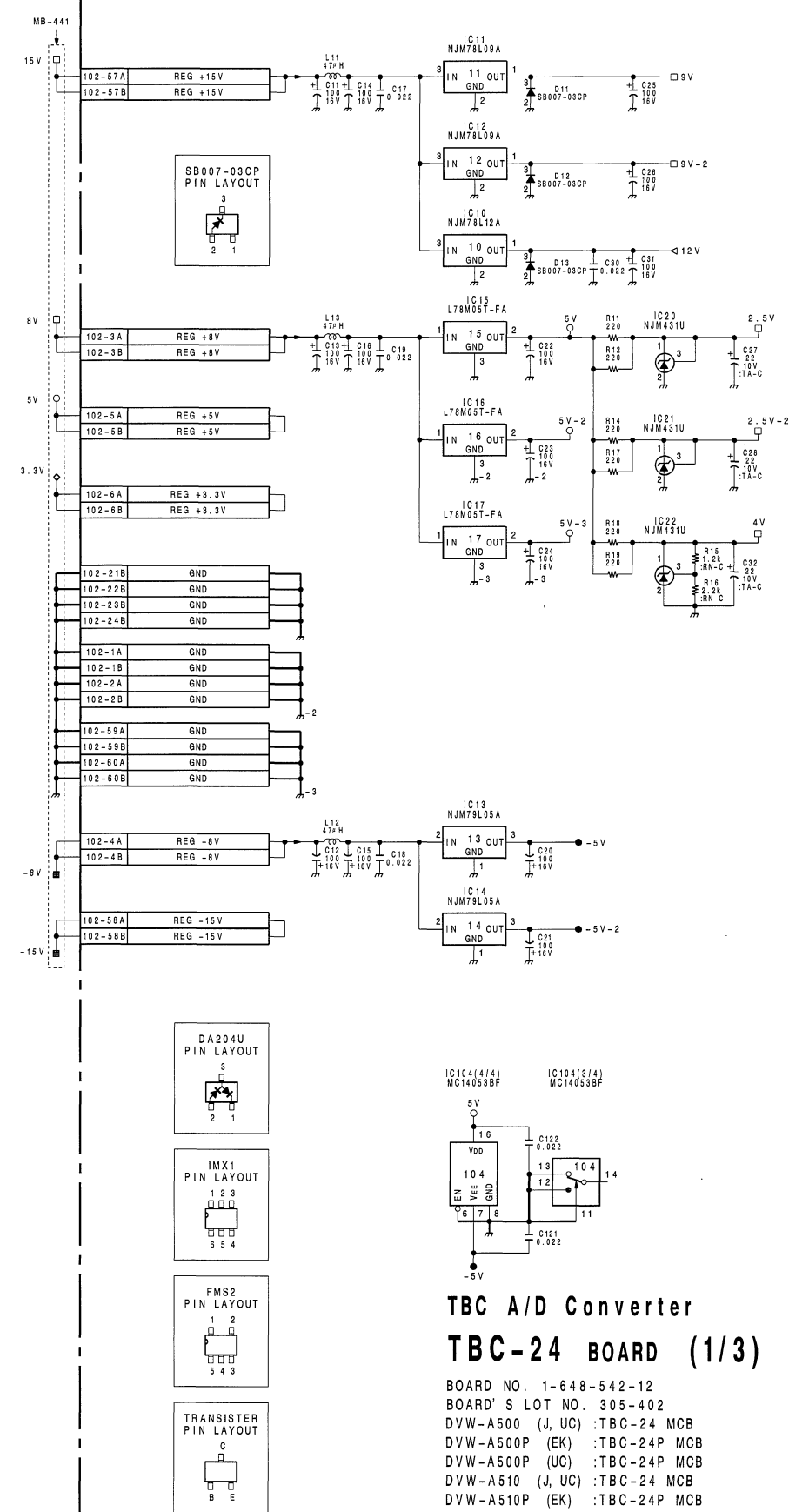
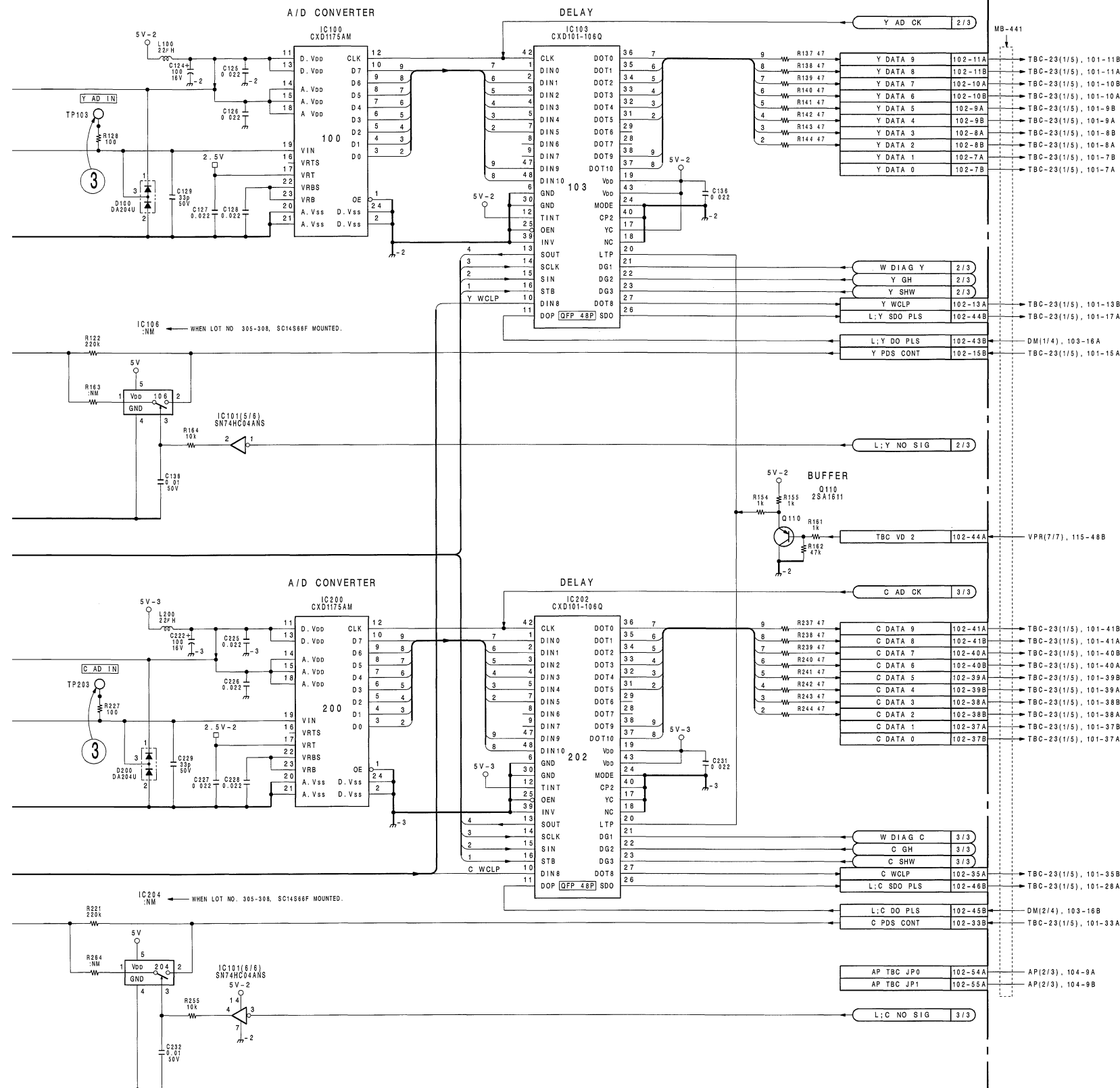
Y Write Clock Generator TBC-24 BOARD (2/3)

BOARD NO. 1-648-542-13, 14
BOARD'S LOT NO. 403-603
DVW-A500 (J, UC) :TBC-24 MCB
DVW-A500P (EK) :TBC-24P MCB
DVW-A510 (J, UC) :TBC-24 MCB
DVW-A510P (EK) :TBC-24P MCB
DVW-CA510(J, UC) :TBC-24 MCB
DVW-CA510P(EK) :TBC-24P MCB

(DVW-TBC24-ALL-A-PB-SM-05-C)







TBC A/D Converter TBC-24 BOARD (1/3)

BOARD NO. 1-648-542-12
BOARD'S LOT NO. 305-402
DVW-A500 (J, UC) :TBC-24 MCB
DVW-A500P (EK) :TBC-24P MCB
DVW-A500P (UC) :TBC-24P MCB
DVW-A510 (J, UC) :TBC-24 MCB
DVW-A510P (EK) :TBC-24P MCB
DVW-CA510 (UC) :TBC-24 MCB
DVW-CA510P(EK) :TBC-24P MCB

DVW-TBC24-ALL-A-PB-S/M-05-B

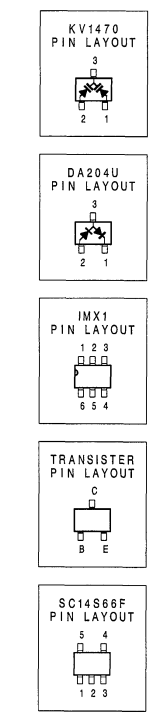
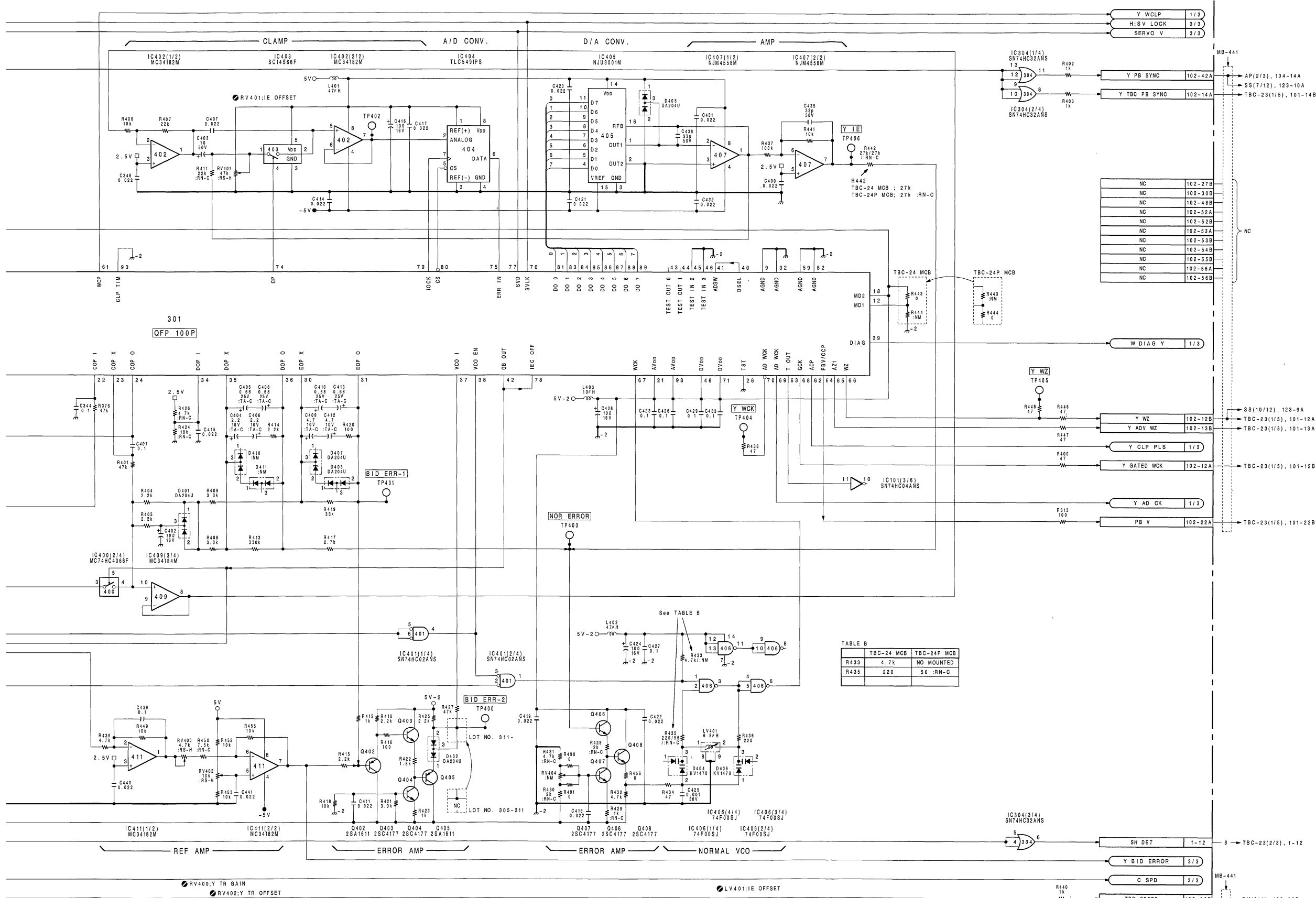


TABLE B

	TBC-24 MCB	TBC-24P MCB
R433	4.7K	NO MOUNTED
R435	220	56 :RN-C

Y Write Clock Generator
TBC-24 BOARD (2/3)

BOARD NO. 1-648-542-12
 BOARD'S LOT NO. 305-402

DVW-A500 (J, UC) :TBC-24 MCB
 DVW-A500P (EK) :TBC-24P MCB
 DVW-A500P (UC) :TBC-24P MCB
 DVW-A510 (J, UC) :TBC-24 MCB
 DVW-A510P (EK) :TBC-24P MCB
 DVW-CA510 (UC) :TBC-24 MCB
 DVW-CA510P(EK) :TBC-24P MCB

©VW-TBC24-ALL-A-PB-S/M-05-B

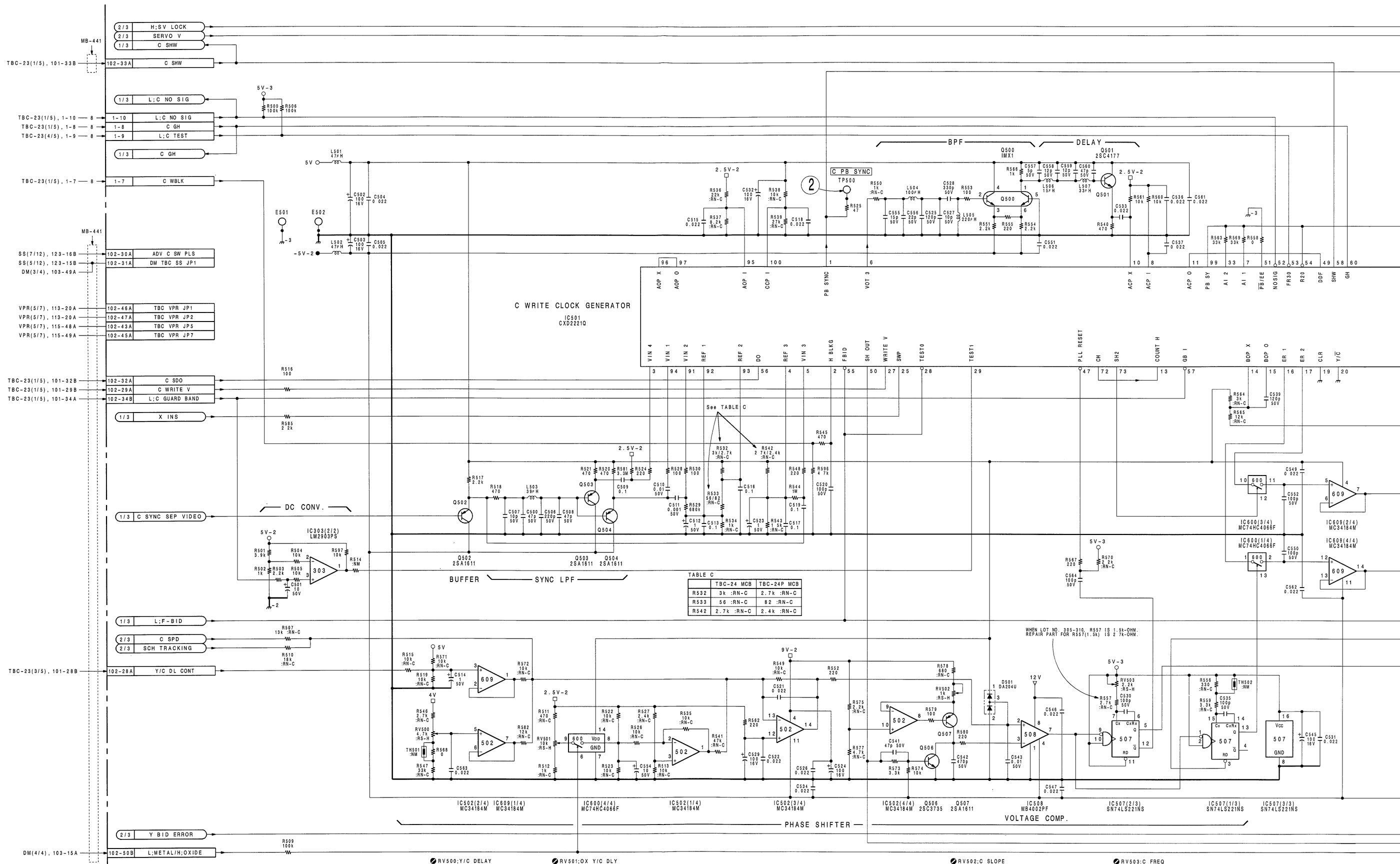
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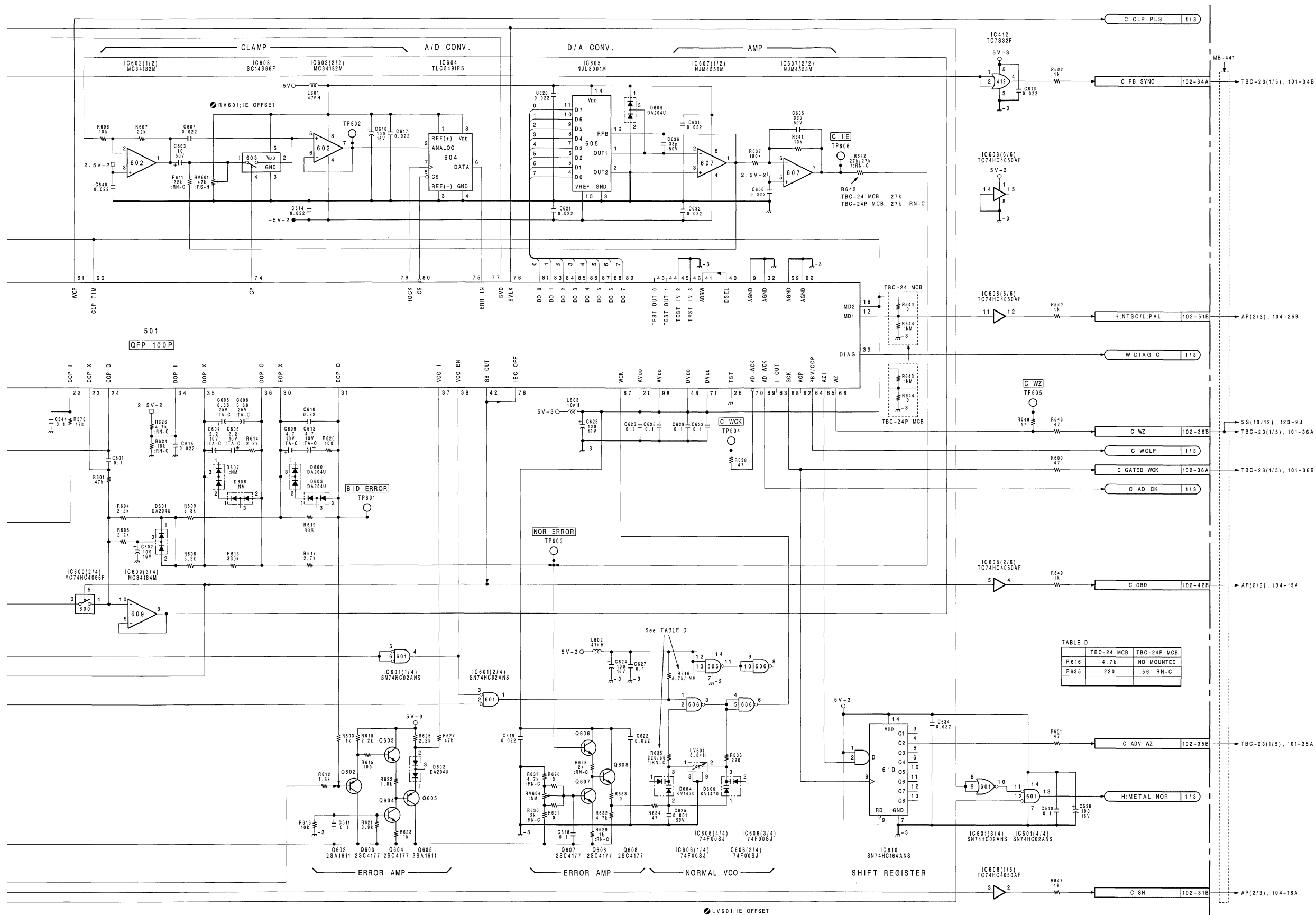
2

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C Write Clock Generator TBC-24 BOARD (3/3)

BOARD NO. 1-648-542-12
BOARD'S LOT NO. 305-402
DVW-A500 (J, UC) :TBC-24 MCB
DVW-A500P (EK) :TBC-24P MCB
DVW-A500P (UC) :TBC-24P MCB
DVW-A510 (J, UC) :TBC-24 MCB
DVW-A510P (EK) :TBC-24P MCB
DVW-CA510 (UC) :TBC-24 MCB
DVW-CA510P(EK) :TBC-24P MCB

OVW-TBC24-ALL-A-PB-S/M-05-B

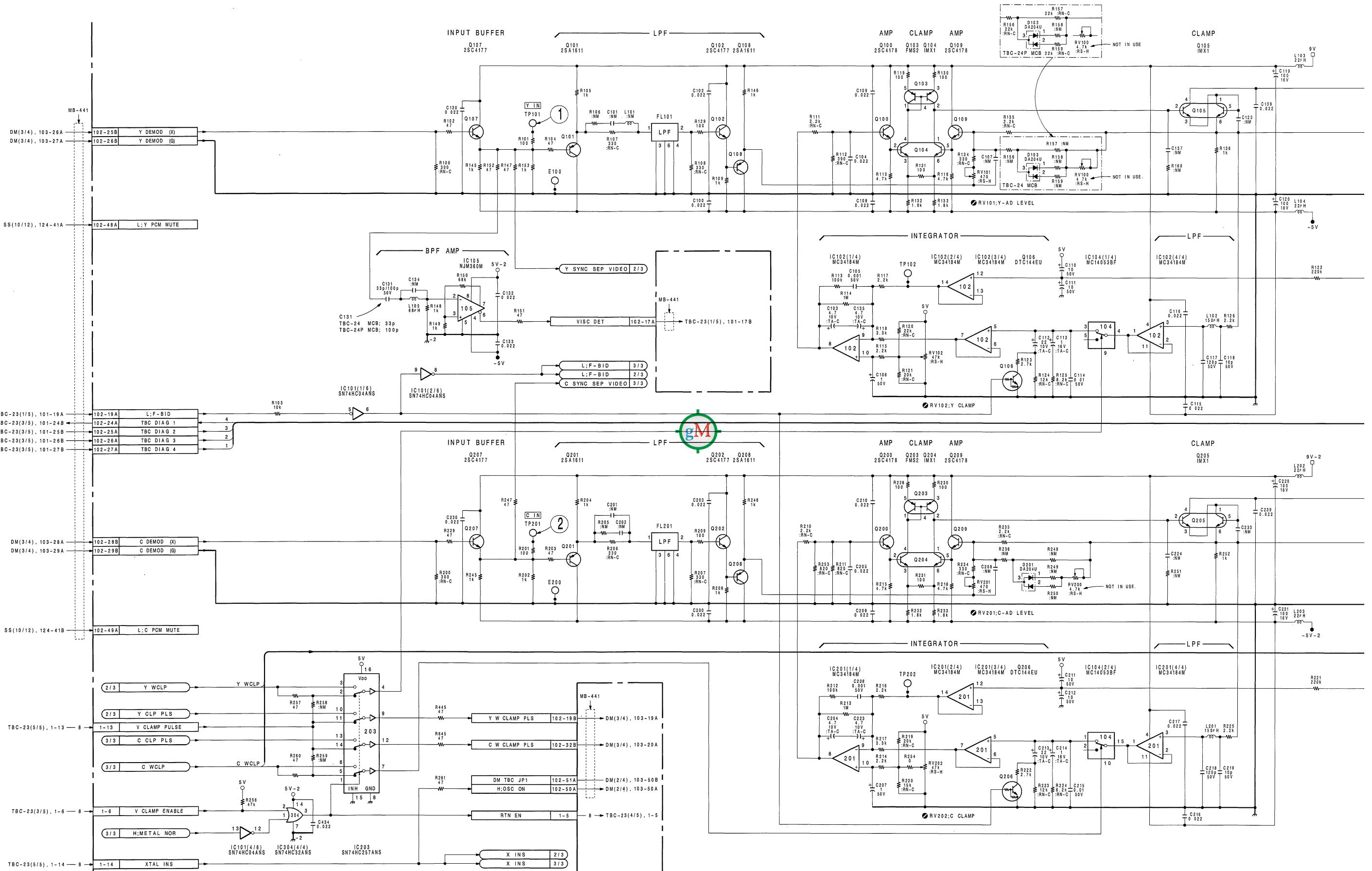
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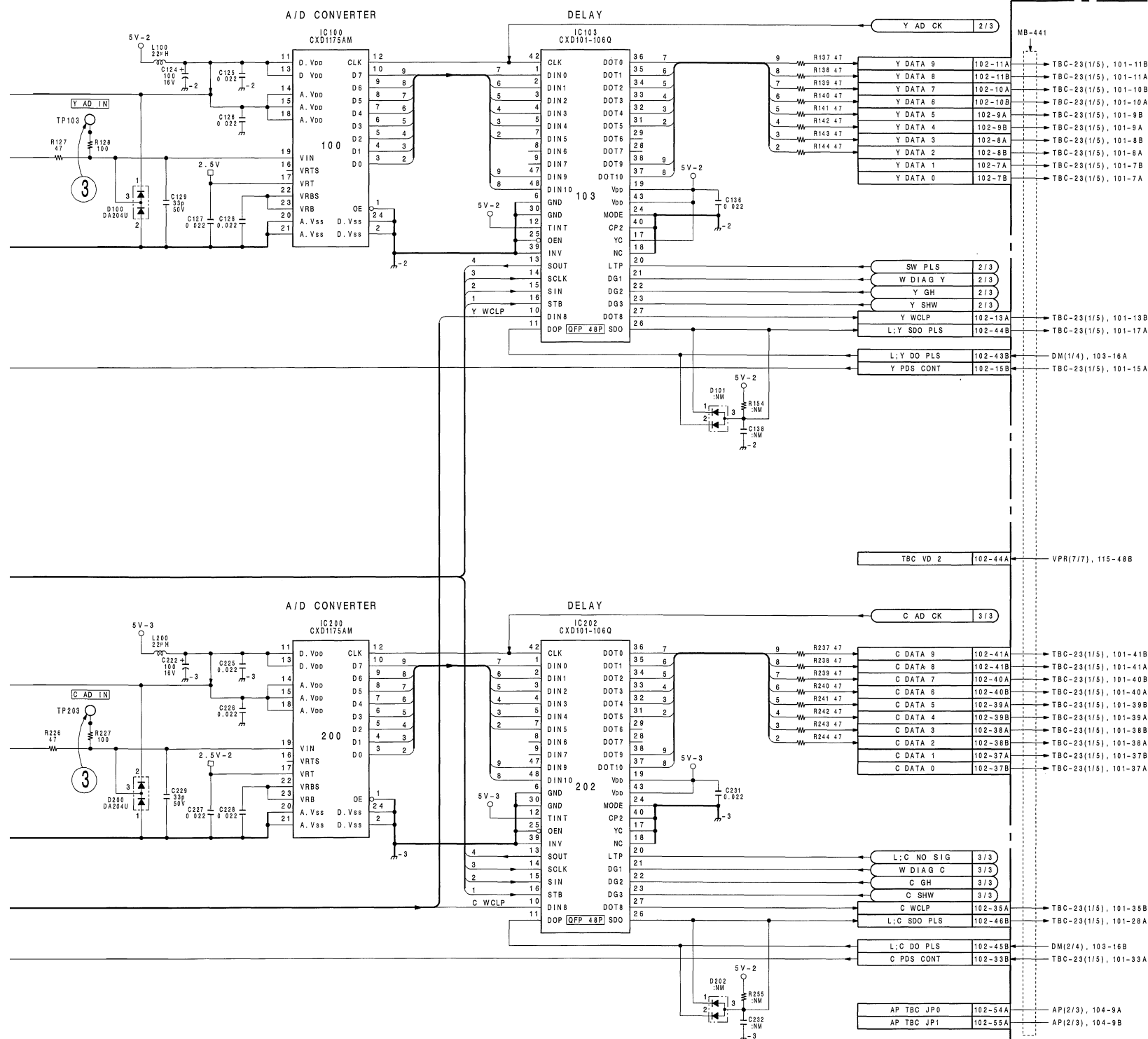
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3

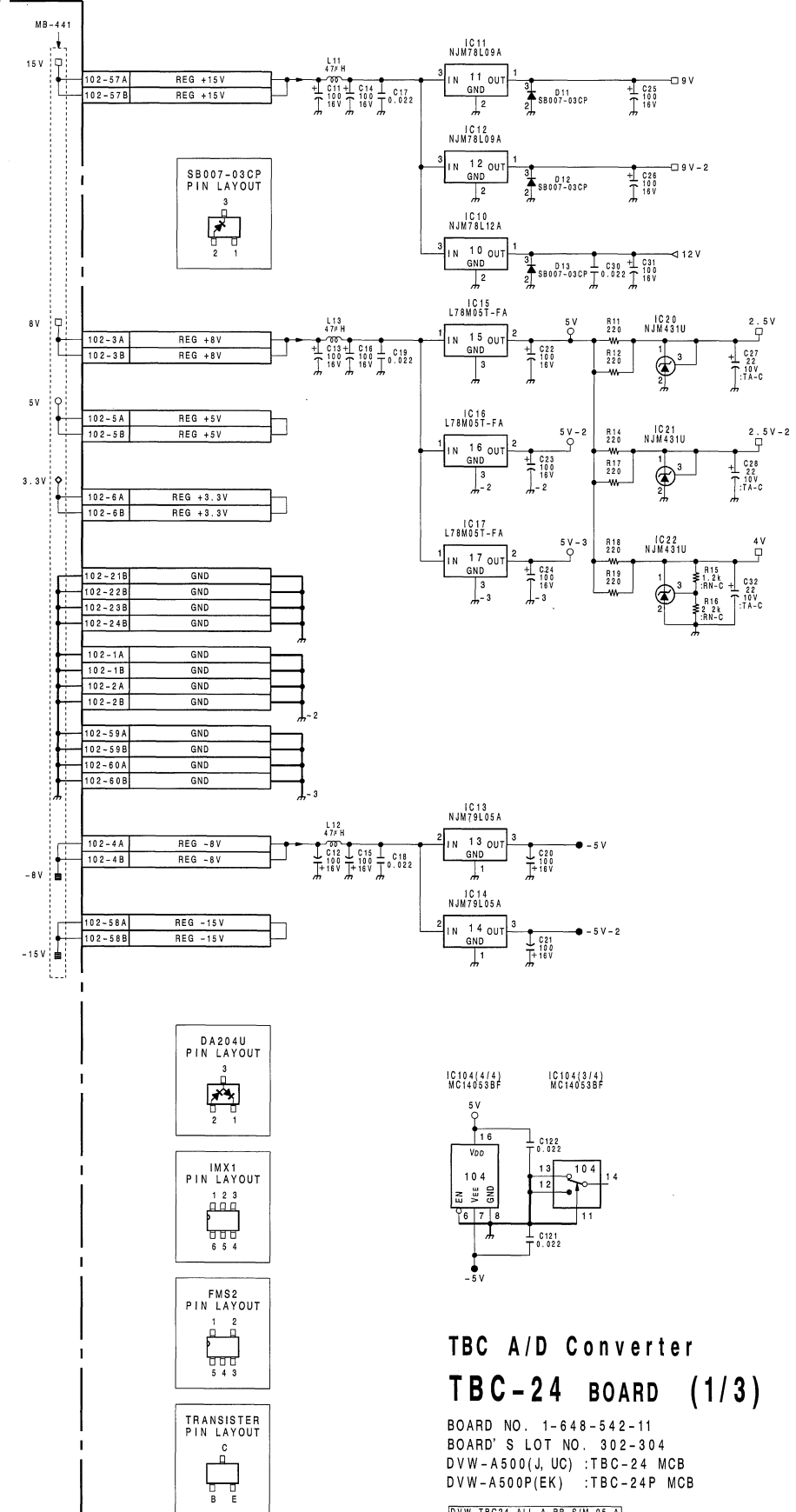
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5





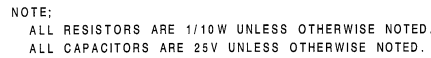
NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.



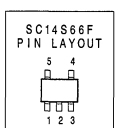
TBC A/D Converter TBC-24 BOARD (1/3)

BOARD NO. 1-648-542-11
BOARD'S LOT NO. 302-304
DVW-A500(J,UC) :TBC-24 MCB
DVW-A500P(EK) :TBC-24P MCB

[DVW-TBC24-ALL-A-PB-S/M-05-A]



TBC-24 BOARD: 1-648-542-11



DVW-TBC24-ALL-A-PB-S/M-05-A

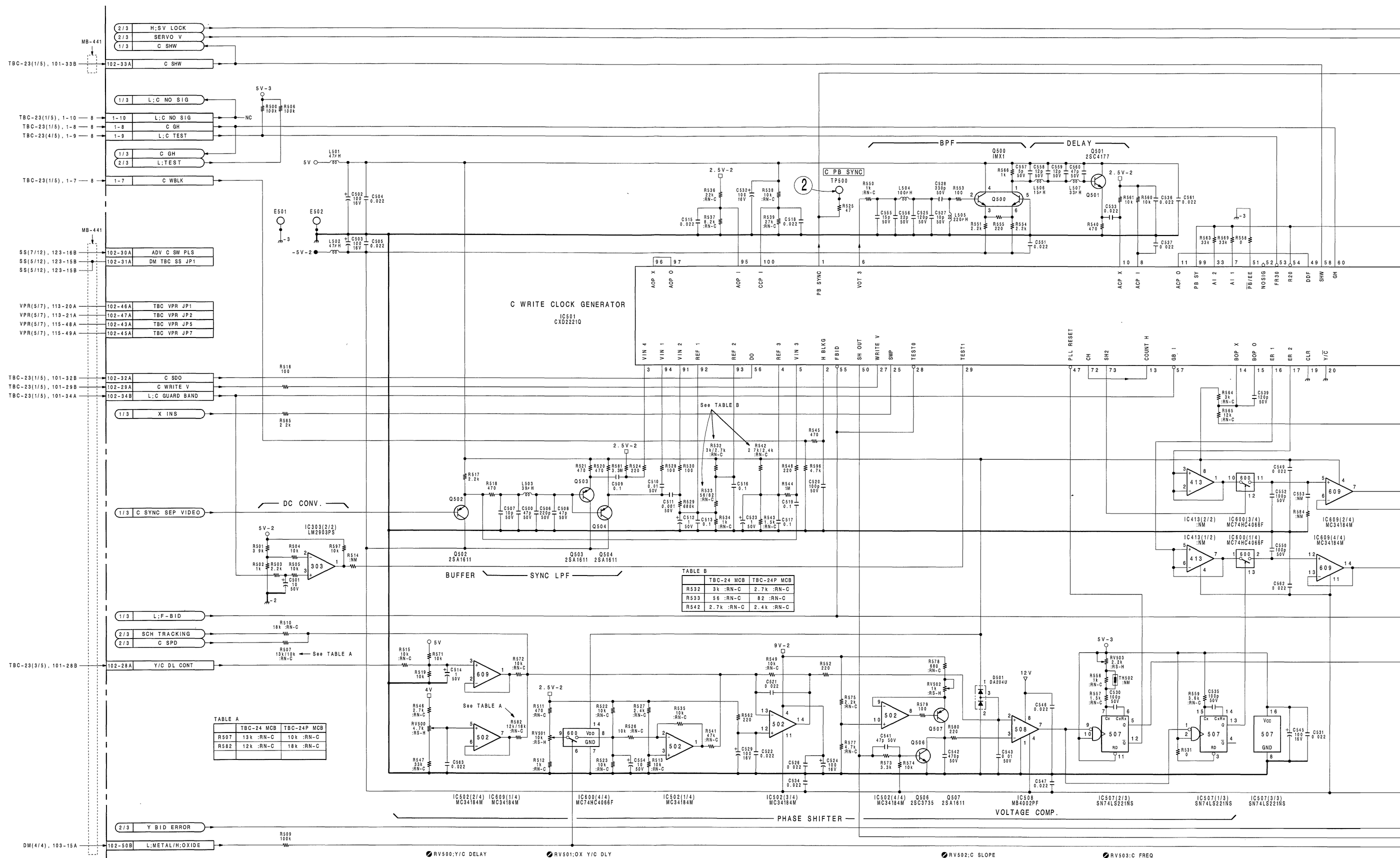
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2

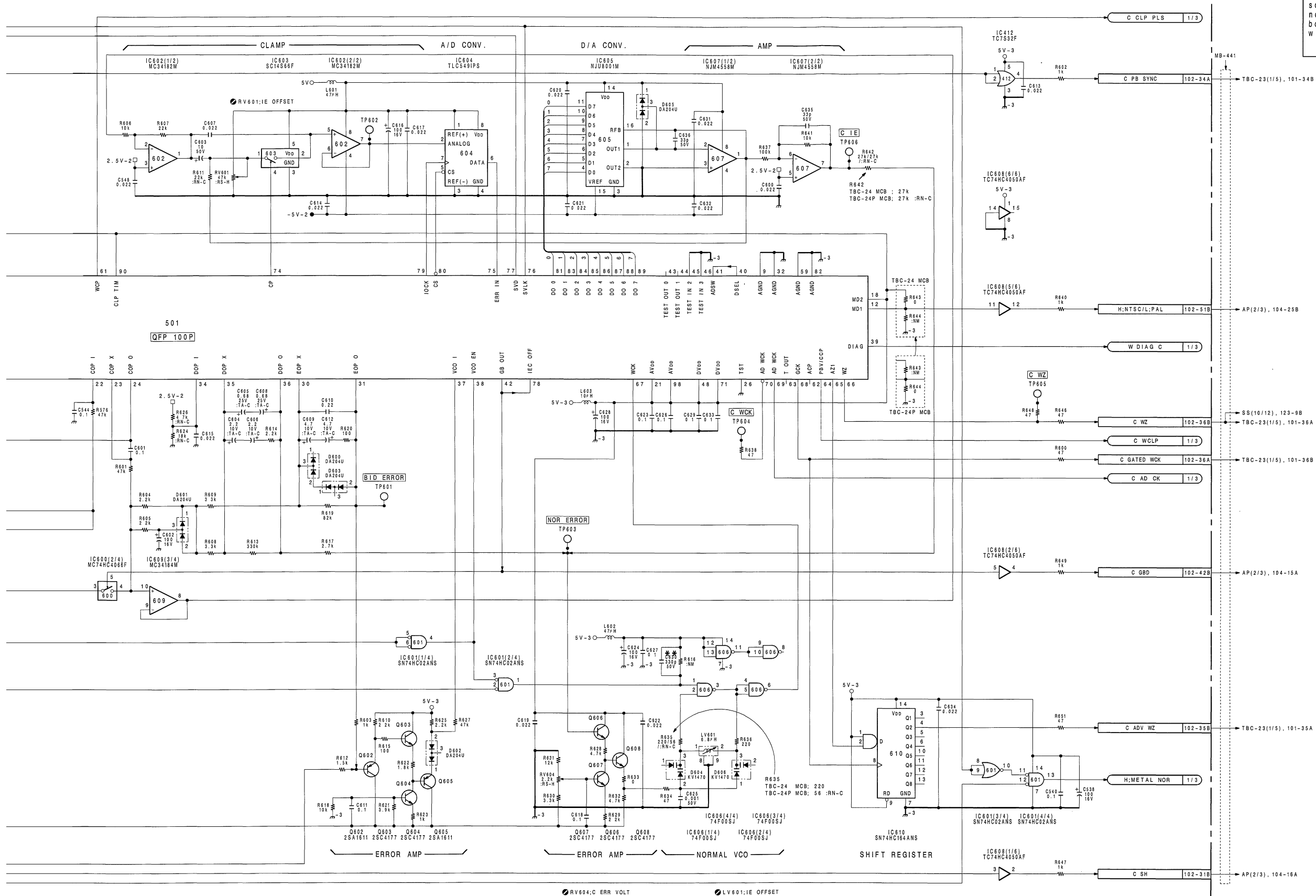
3

4

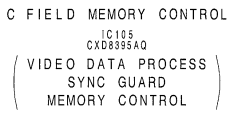
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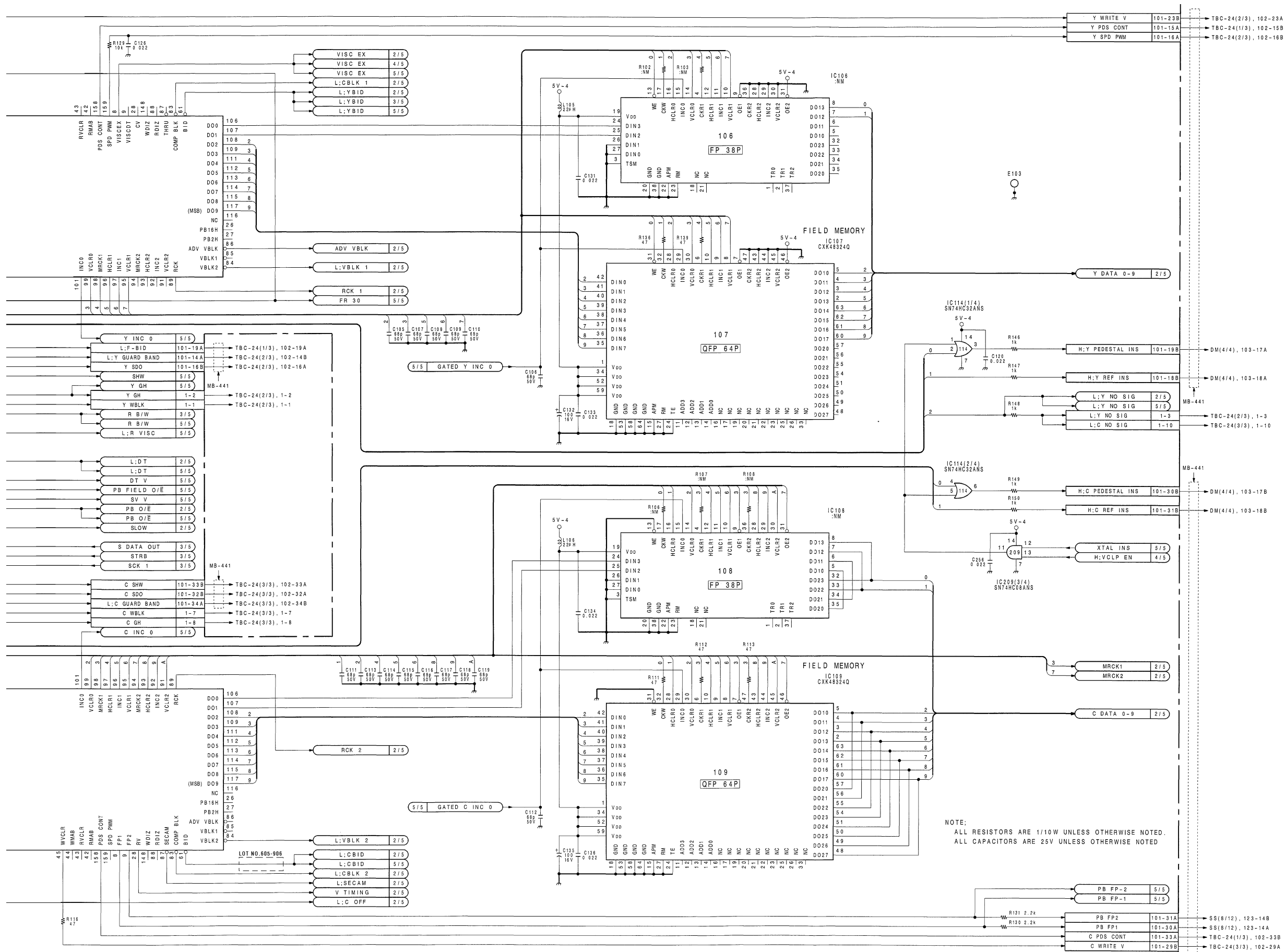


The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit board (of the following board No.) with silk screen.
TBC-24 BOARD: 1-648-542-11



C Write Clock Generator
TBC-24 BOARD (3/3)
BOARD NO. 1-648-542-11
BOARD'S LOT NO. 302-304
DVW-A500(J, UC) :TBC-24 MCB
DVW-A500P(EK) :TBC-24P MCB
[DVW-TBC24-ALL-A-PB-S/M-05-A]





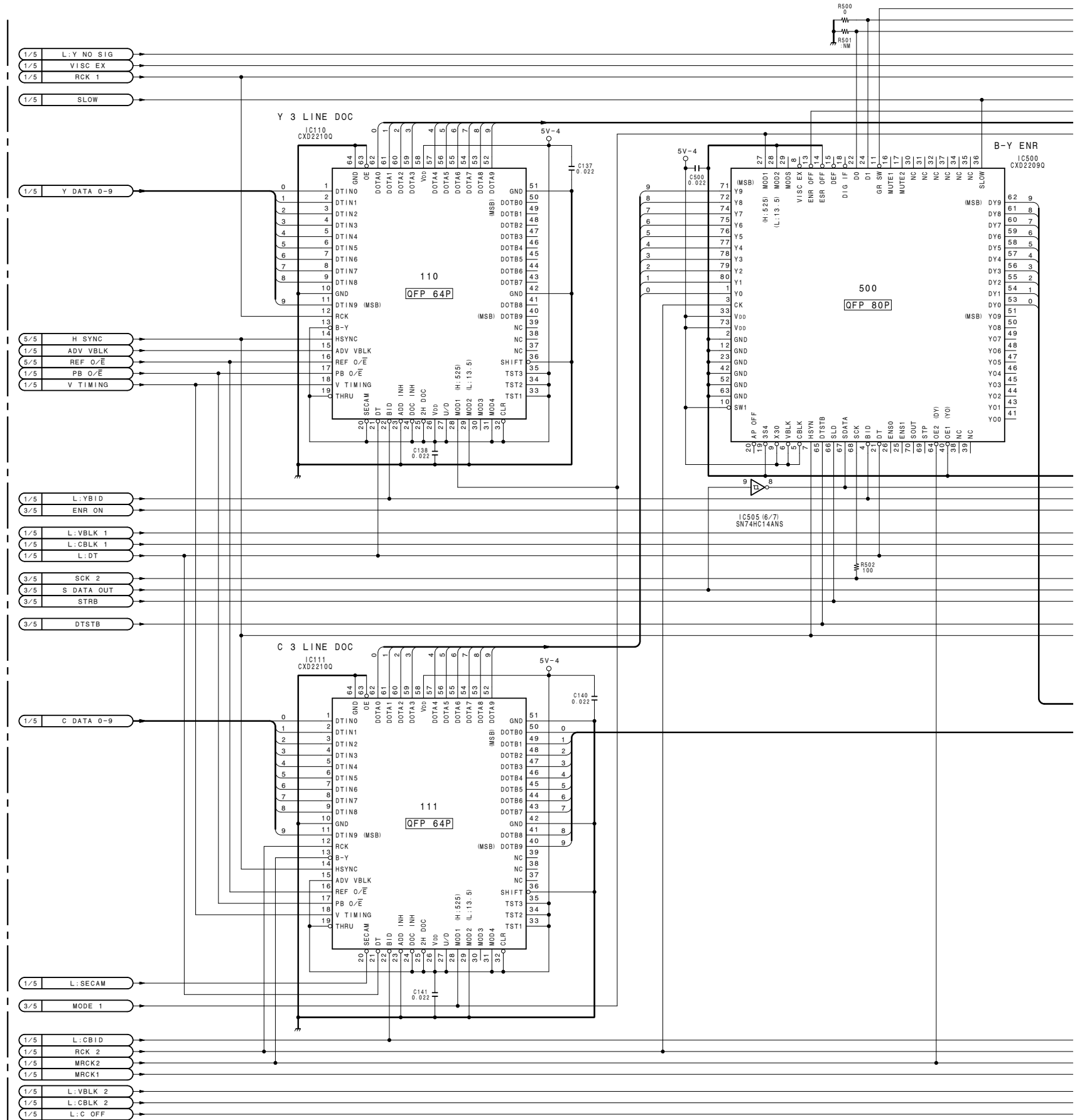
LOT NO.	BOARD NO.
605-802	1-648-543-15
803-	1-648-543-16

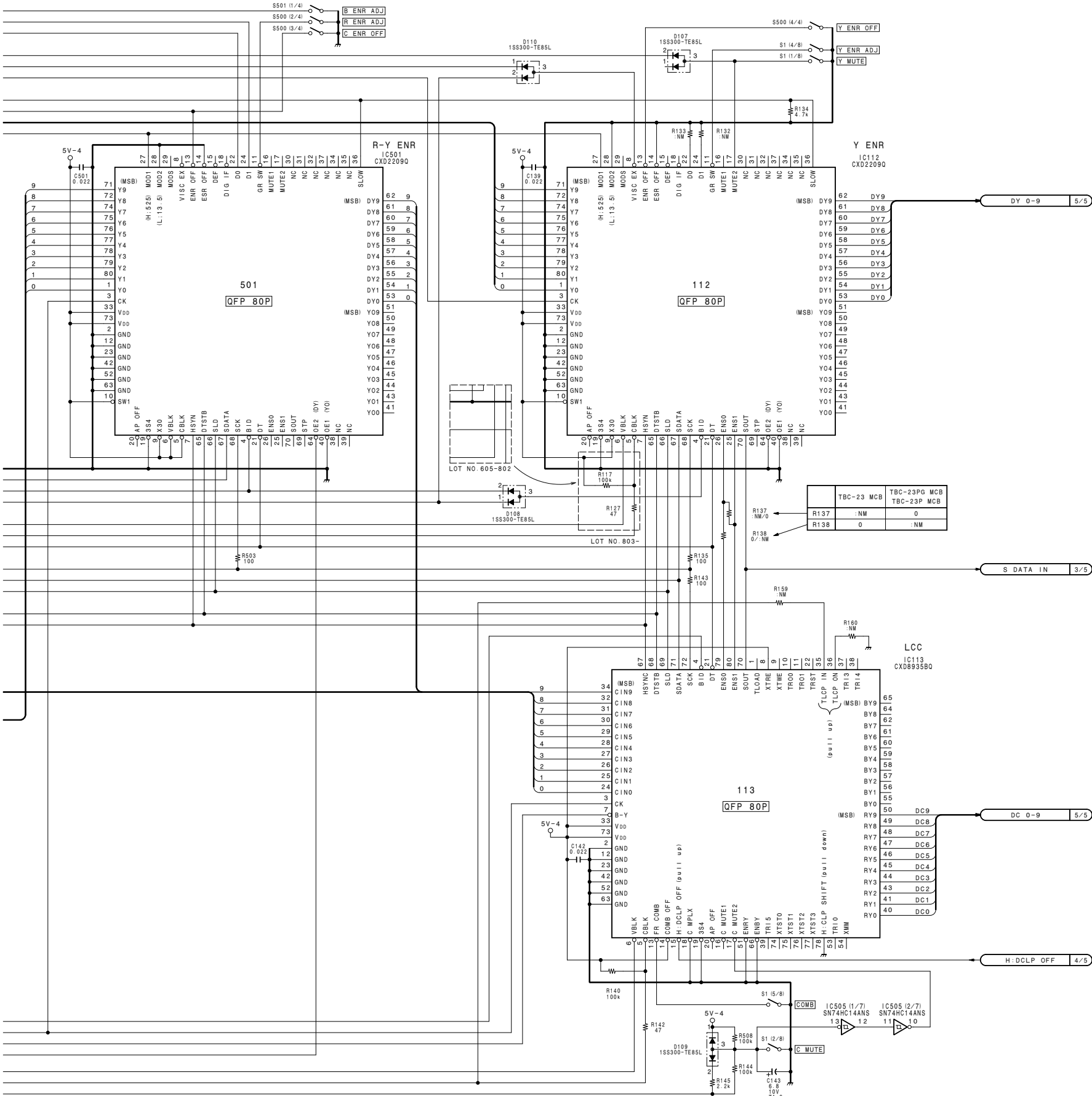
Y/C Data Memory Control, Field Memory

TBC-23 BOARD (1/5)

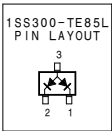
BOARD NO. 1-648-543-15, 16
 BOARD S LOT NO. 605-
 DVW-A500 (J, UC) :TBC-23 MCB
 DVW-A500P (EK) :TBC-23P MCB
 DVW-A500P (UC) :TBC-23PG MCB
 DVW-A510 (J, UC) :TBC-23 MCB
 DVW-A510P (EK) :TBC-23P MCB
 DVW-CA510(J, UC) :TBC-23 MCB
 DVW-CA510P(EK) :TBC-23P MCB

①VW-TBC23-ALL-A-PB-S/M-64-C





NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

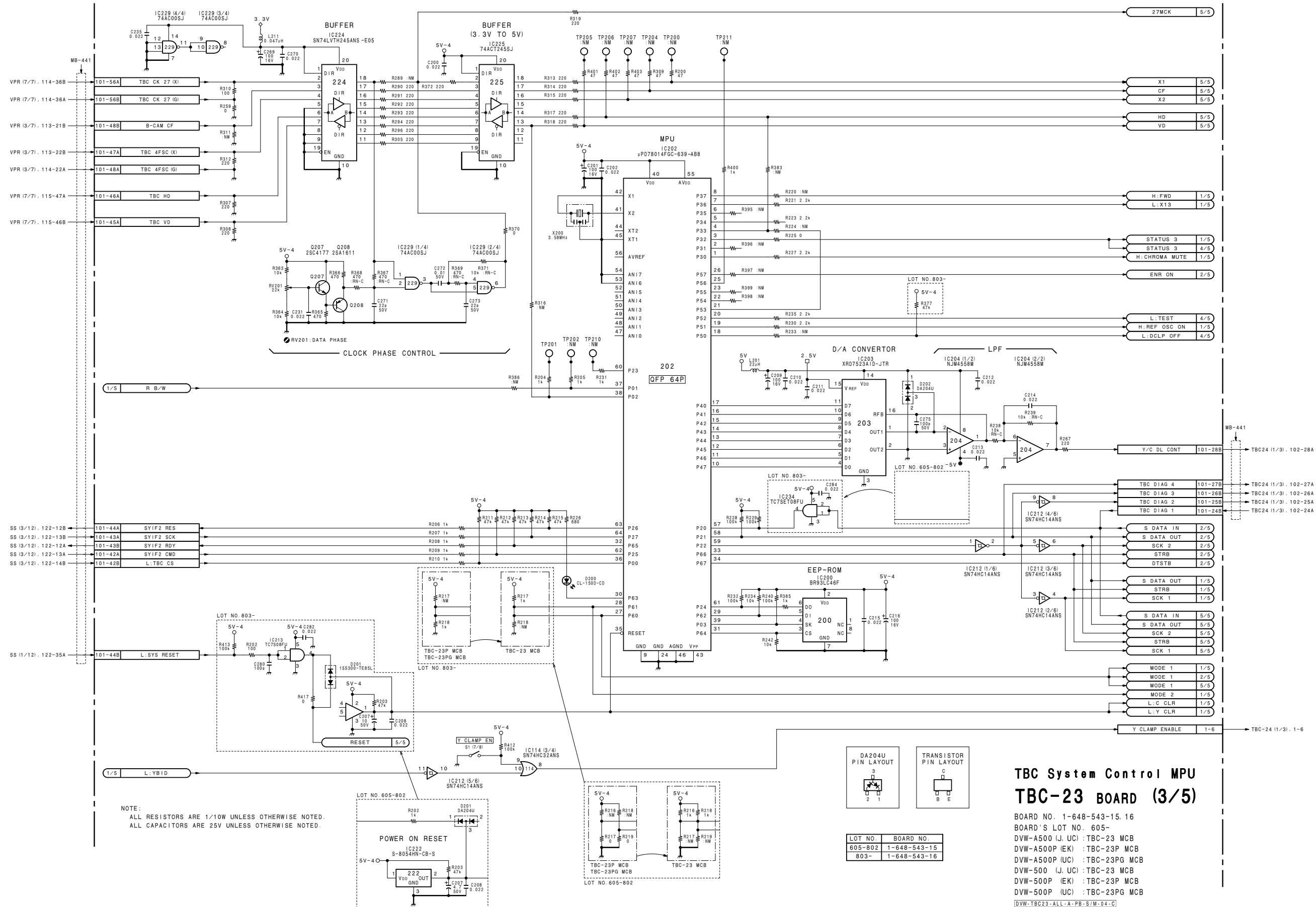


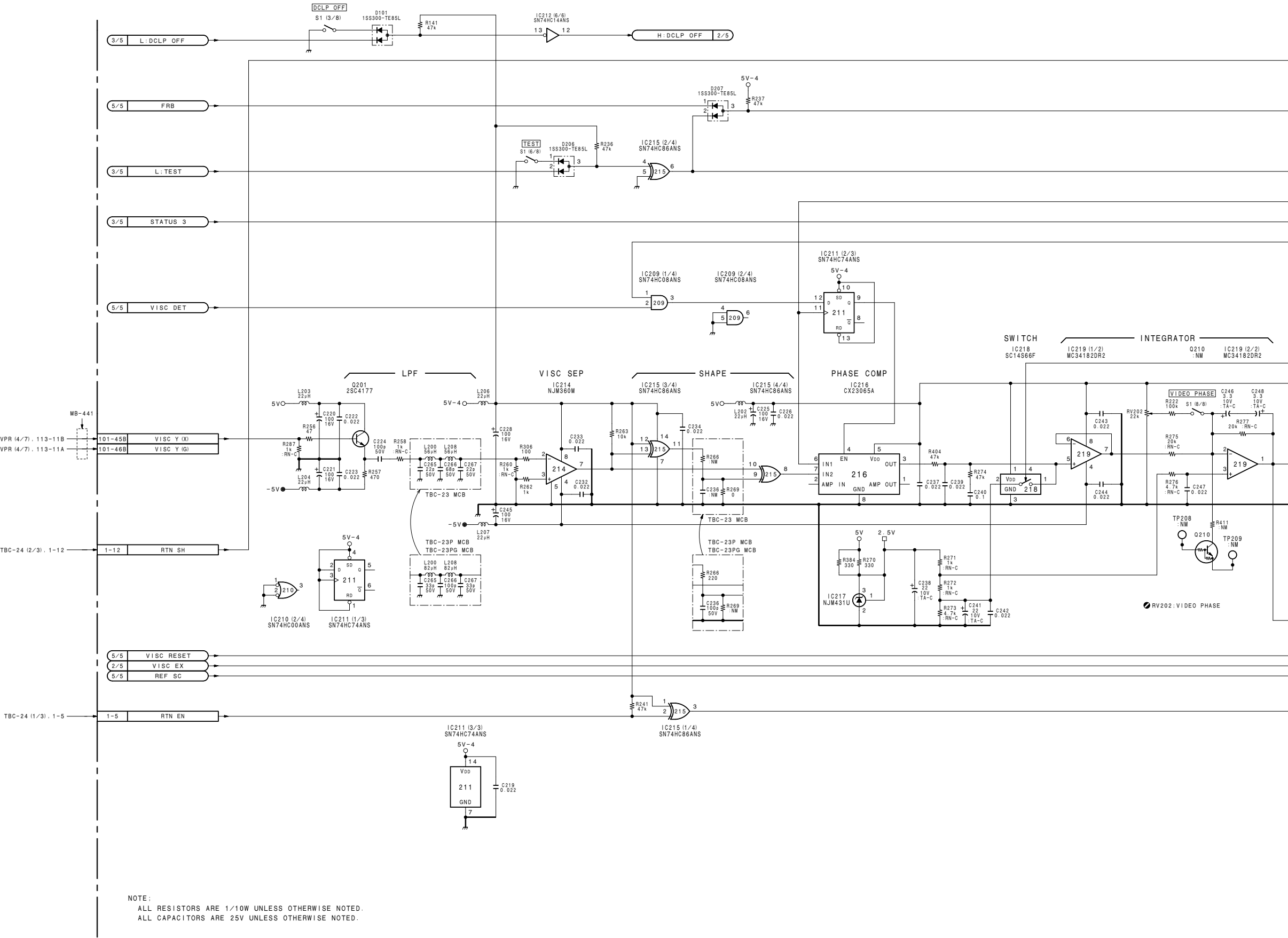
LOT NO.	BOARD NO.
605-802	1-648-543-15
803-	1-648-543-16

TBC Sequence
TBC-23 BOARD (2/5)

BOARD NO. 1-648-543-15, 16
BOARD'S LOT NO. 605-
DVW-A500 (J, UC) : TBC-23 MCB
DVW-A500P (EK) : TBC-23P MCB
DVW-A500P (UC) : TBC-23PG MCB
DVW-500 (J, UC) : TBC-23 MCB
DVW-500P (EK) : TBC-23P MCB
DVW-500P (UC) : TBC-23PG MCB
[DVW-TBC23-ALL-A-PB-S/M-04-C]

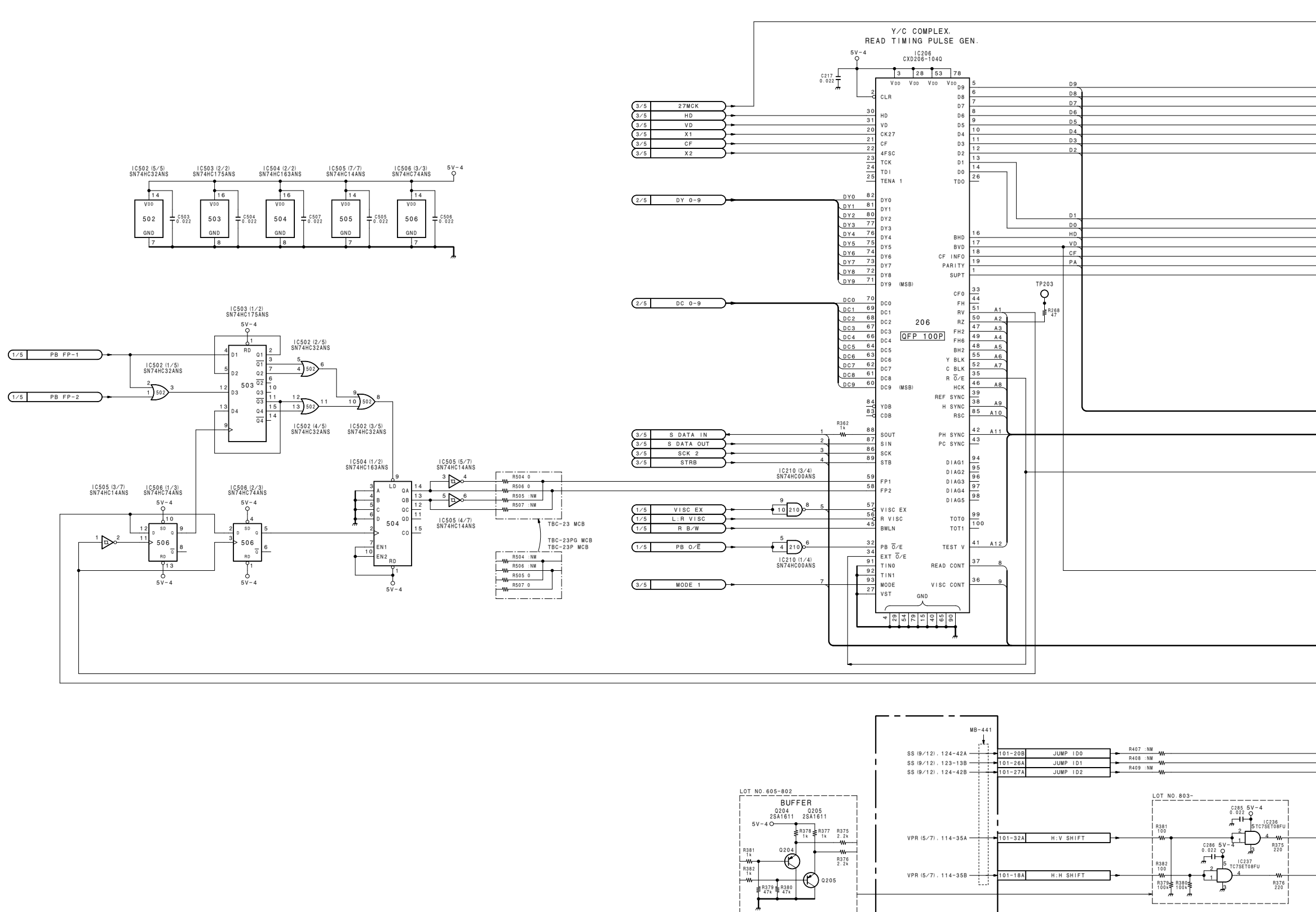


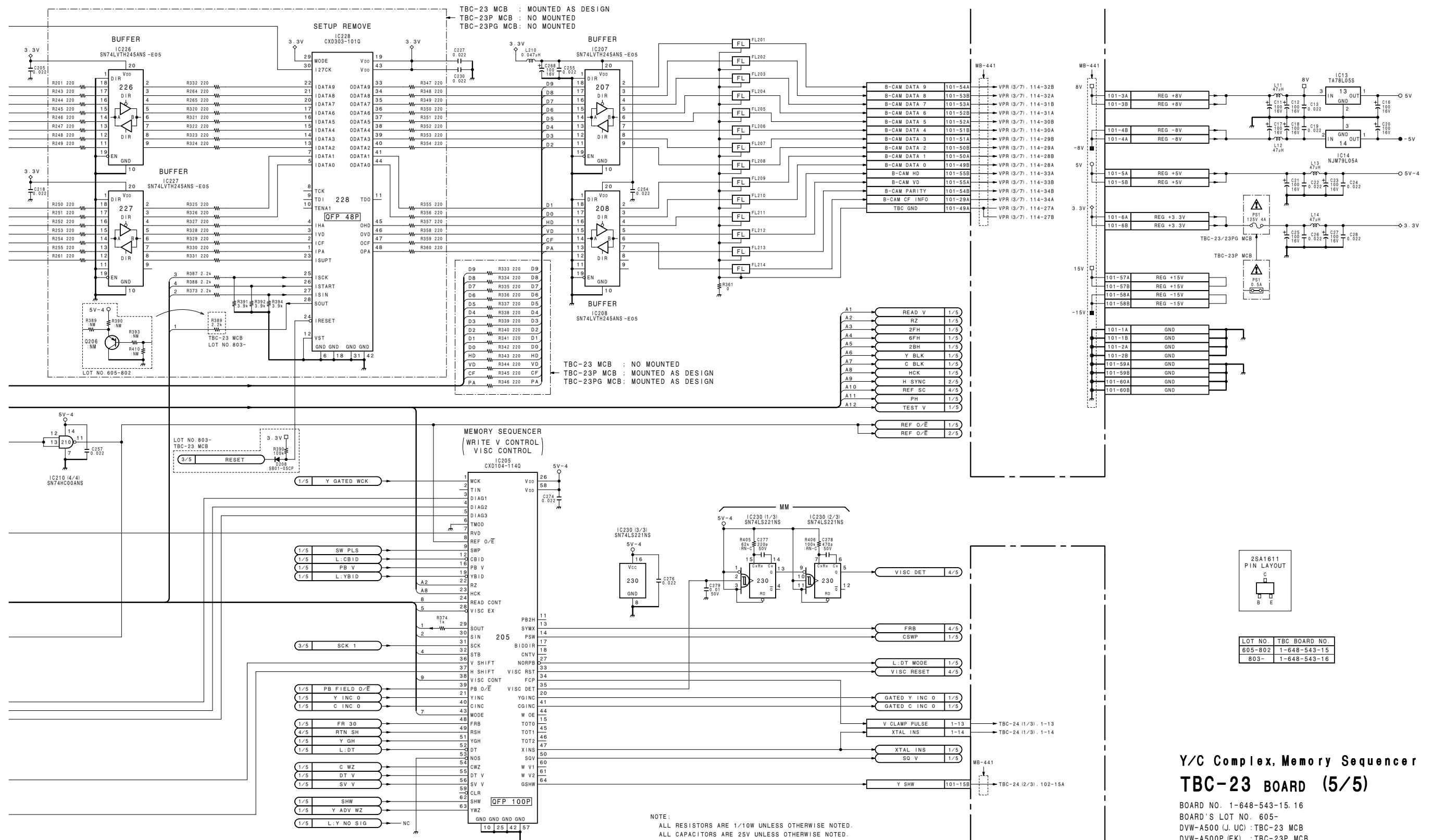






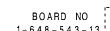
DVW-TBC23-ALL-A-PB-S/M-04-C

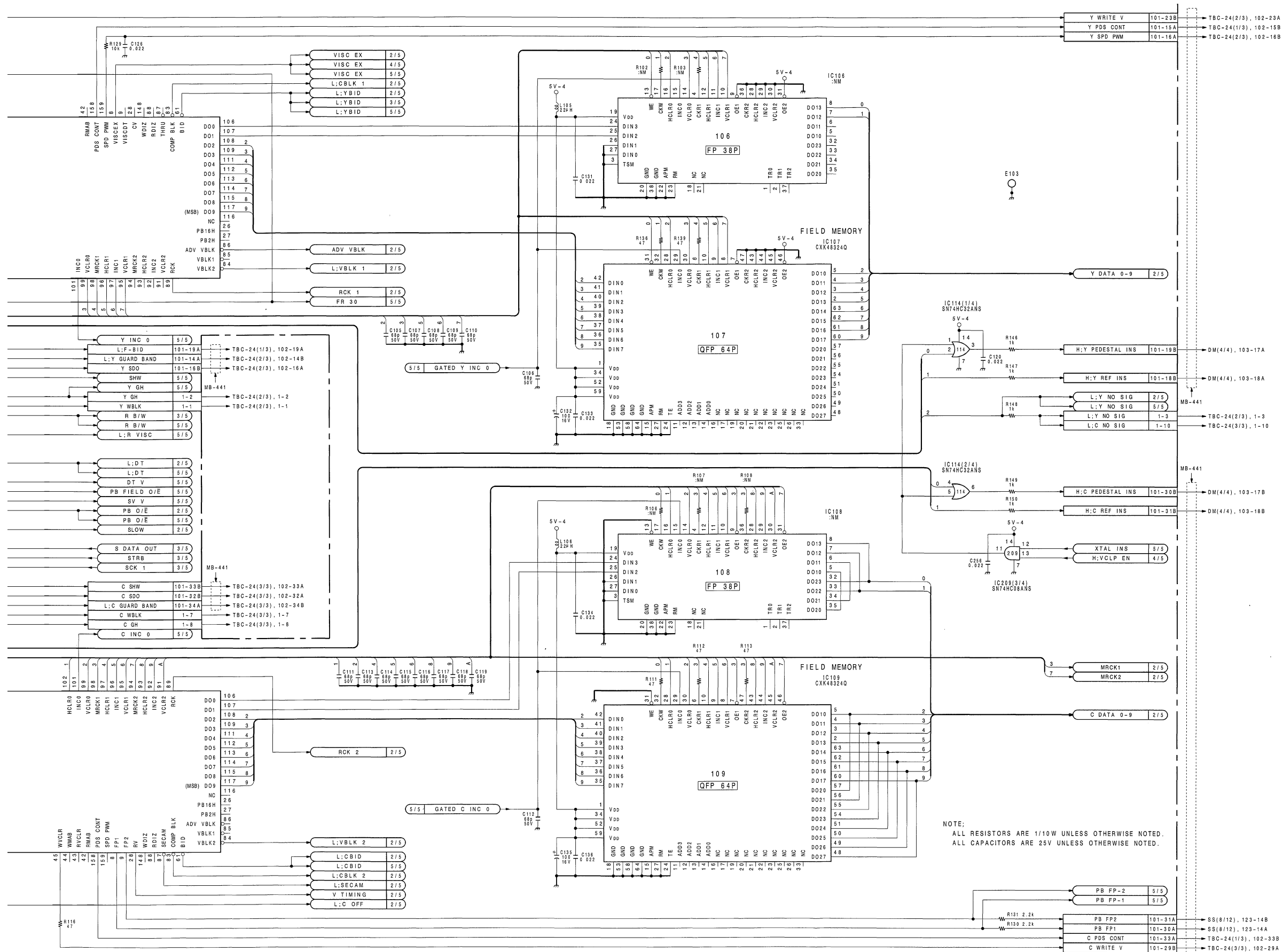


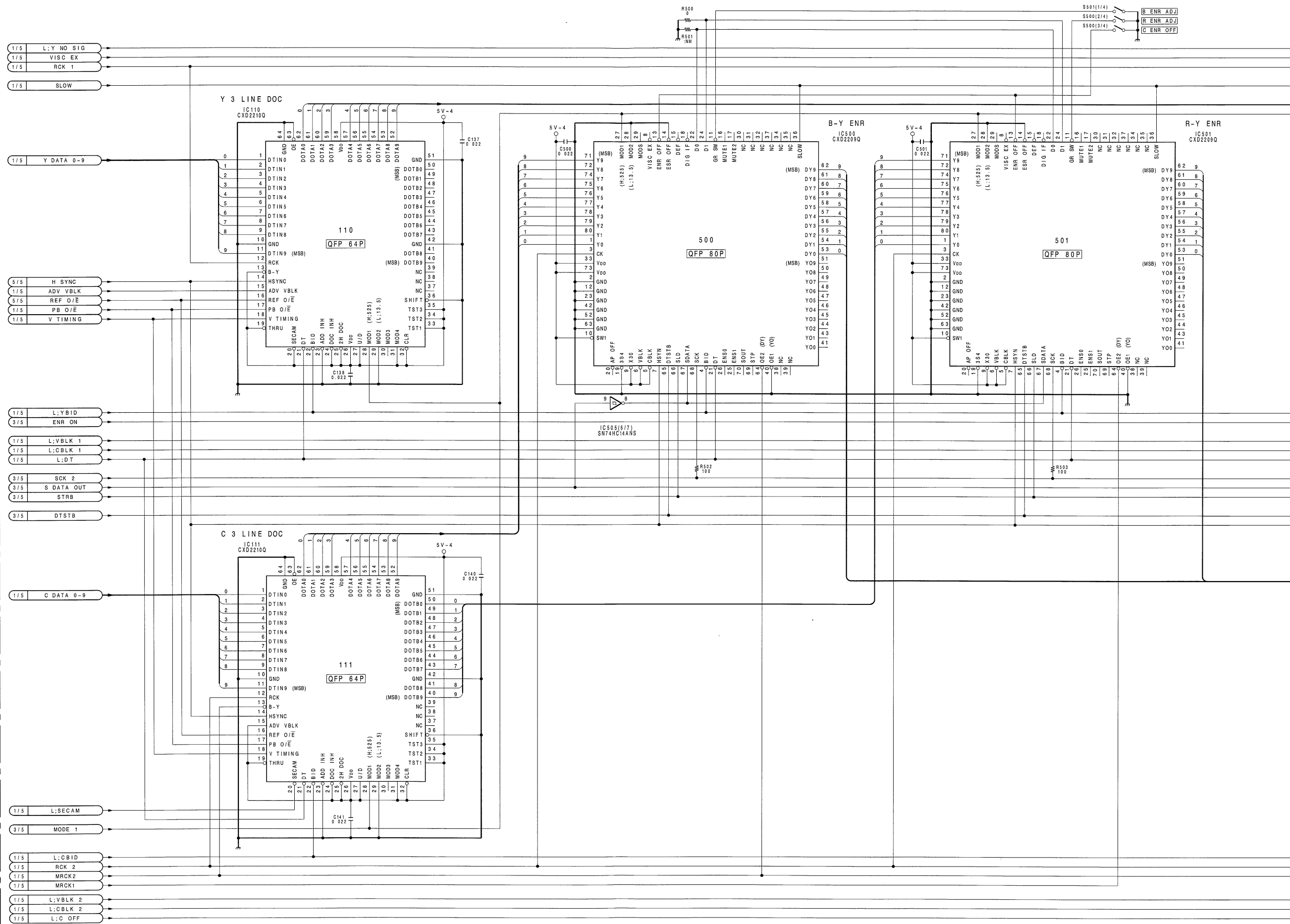


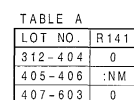
Y/C Complex, Memory Sequencer
TBC-23 BOARD (5/5)

BOARD NO. 1-648-543-15. 16
BOARD'S LOT NO. 605-
DVW-A500 (J, UC) : TBC-23 MCB
DVW-A500P (EK) : TBC-23P MCB
DVW-A500P (UC) : TBC-23PG MCB
DVW-500 (J, UC) : TBC-23 MCB
DVW-500P (EK) : TBC-23P MCB
DVW-500P (UC) : TBC-23PG MCB
DVW-TBC23-ALL-A-PB-SJM-04-C

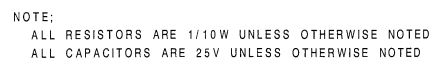




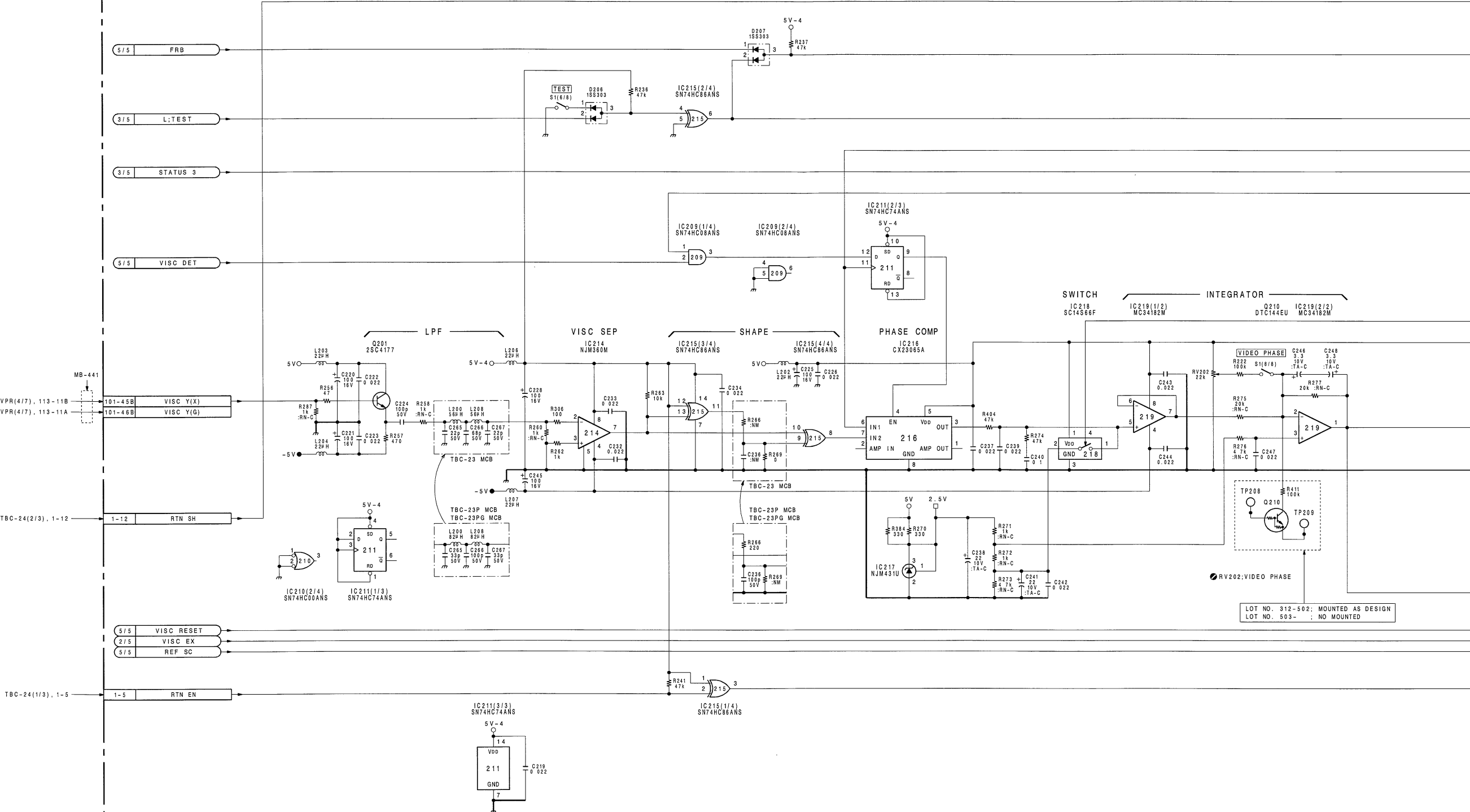






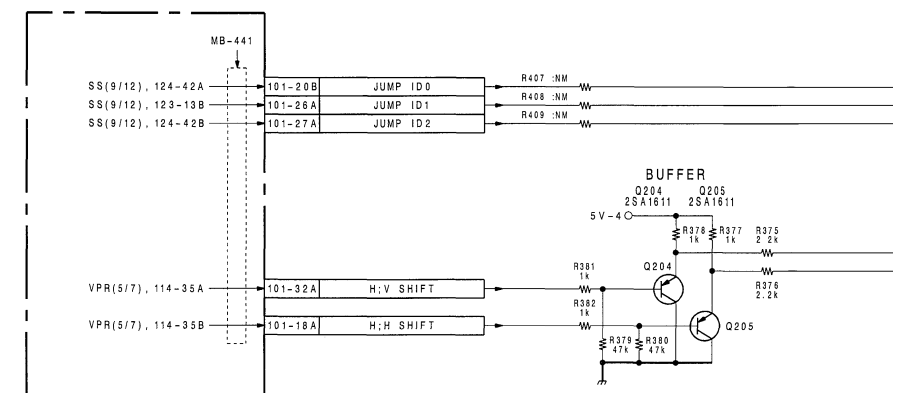
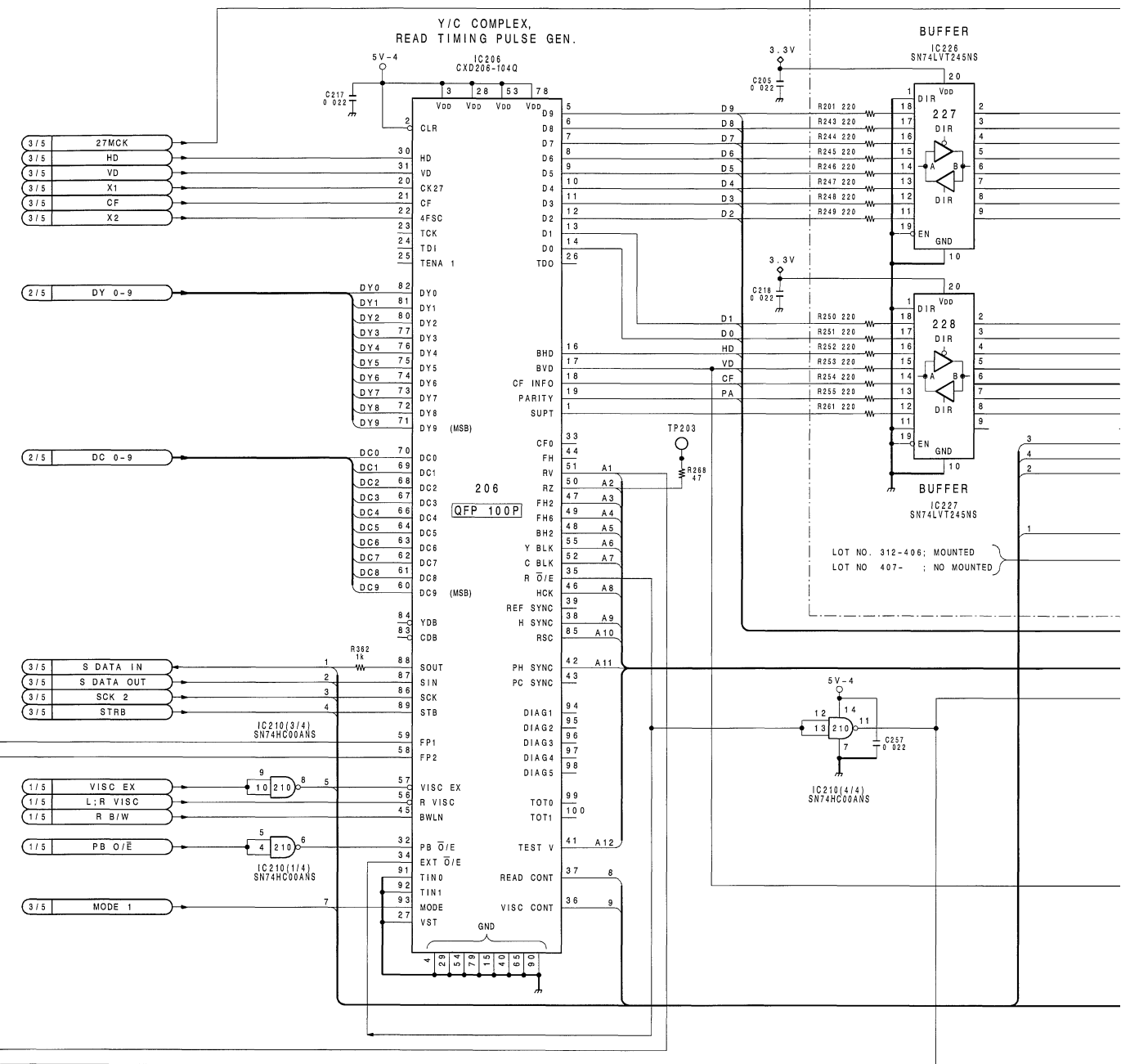
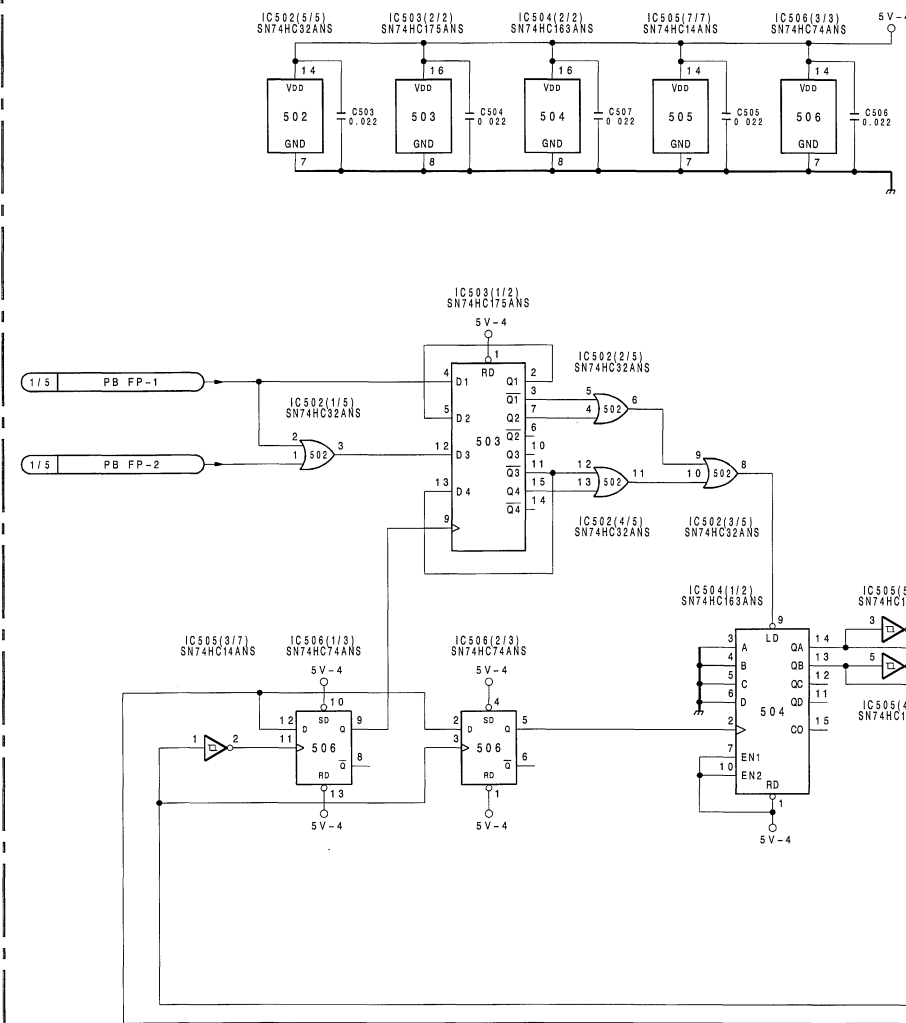


BOARD NO. 1-648-543-13, 14
BOARD'S LOT NO. 312-603
DVW-A500 (J, UC) :TBC-23 MCB
DVW-A500P (EK) :TBC-23P MCB
DVW-A500P (UC) :TBC-23PG MCB
DVW-A510 (J, UC) :TBC-23 MCB
DVW-A510P (EK) :TBC-23P MCB
DVW-CA510(J, UC) :TBC-23 MCB
DVW-CA510P(EK) :TBC-23P MCB



NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

LOT NO. 312-502; MOUNTED AS DESIGN
LOT NO. 503- ; NO MOUNTED





1

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A

B

C

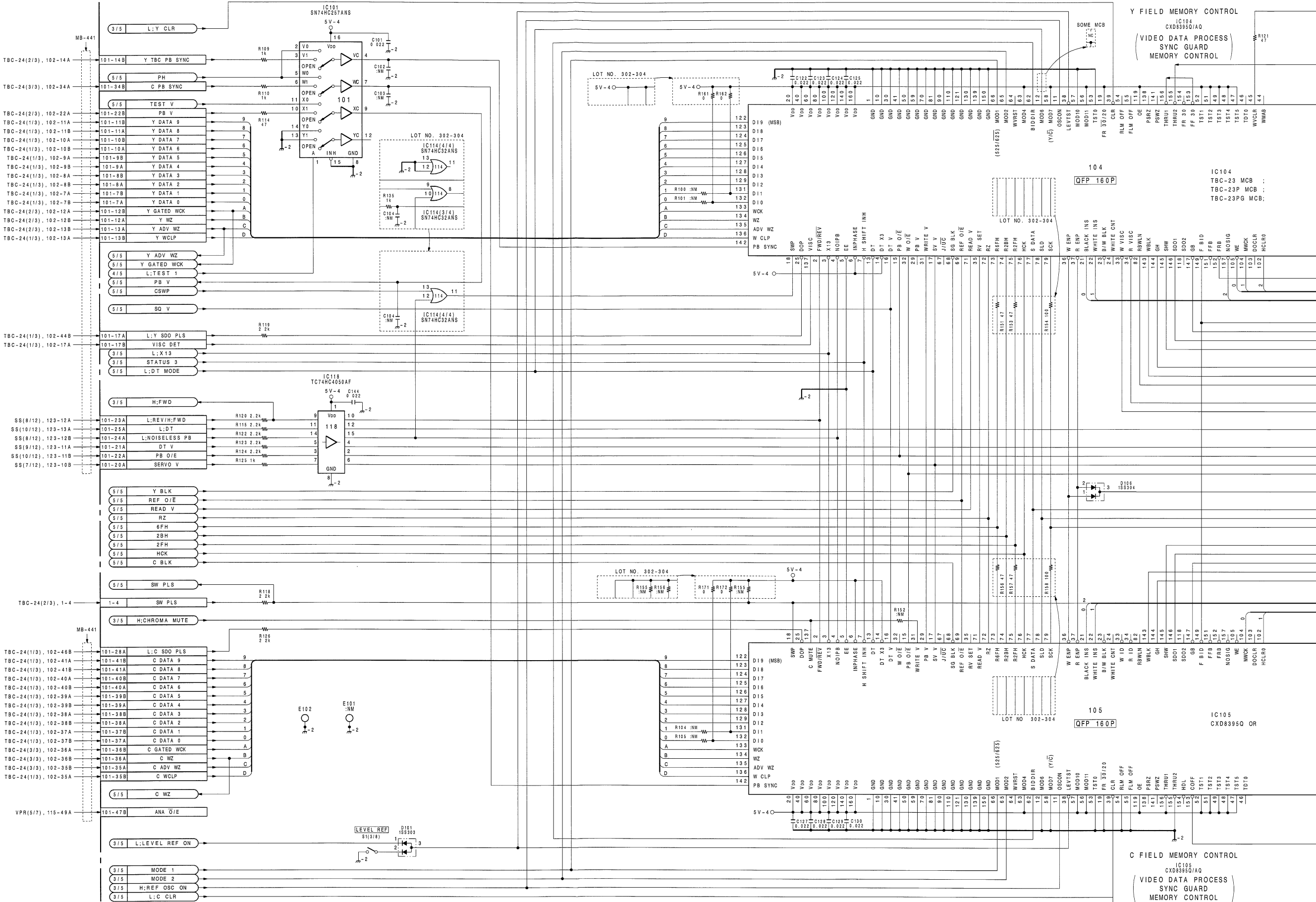
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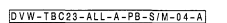
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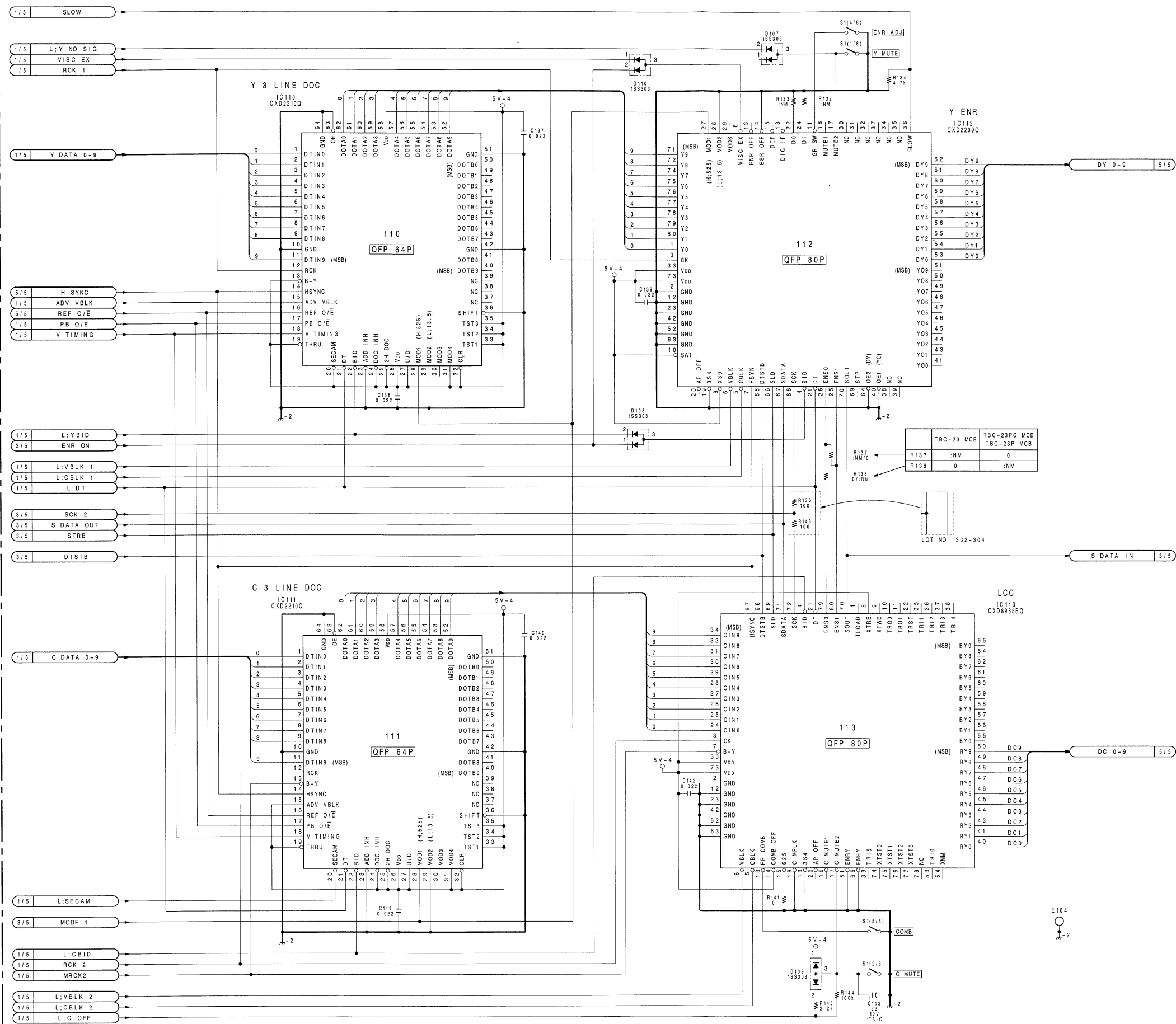
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G

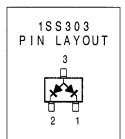
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NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

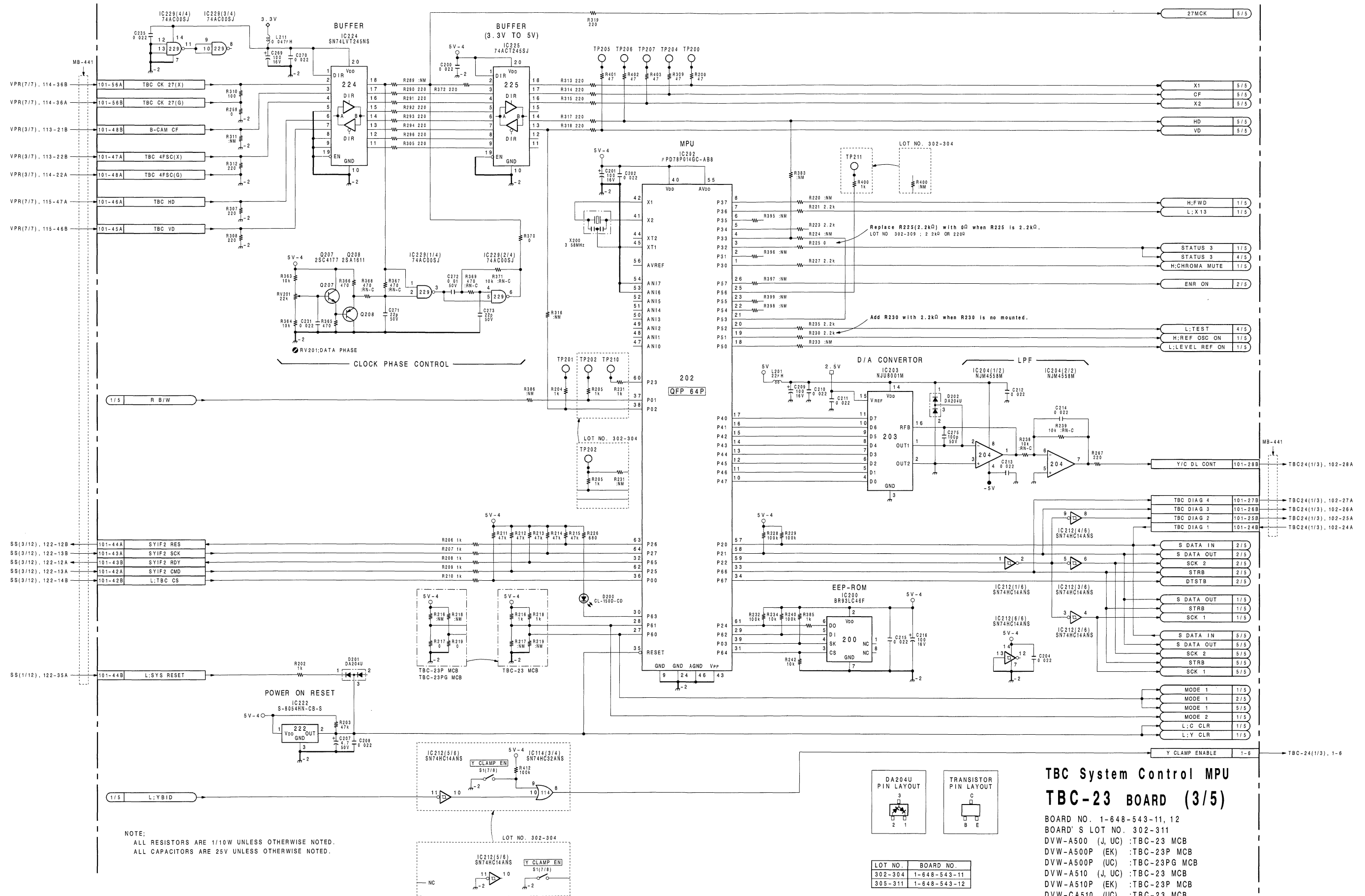


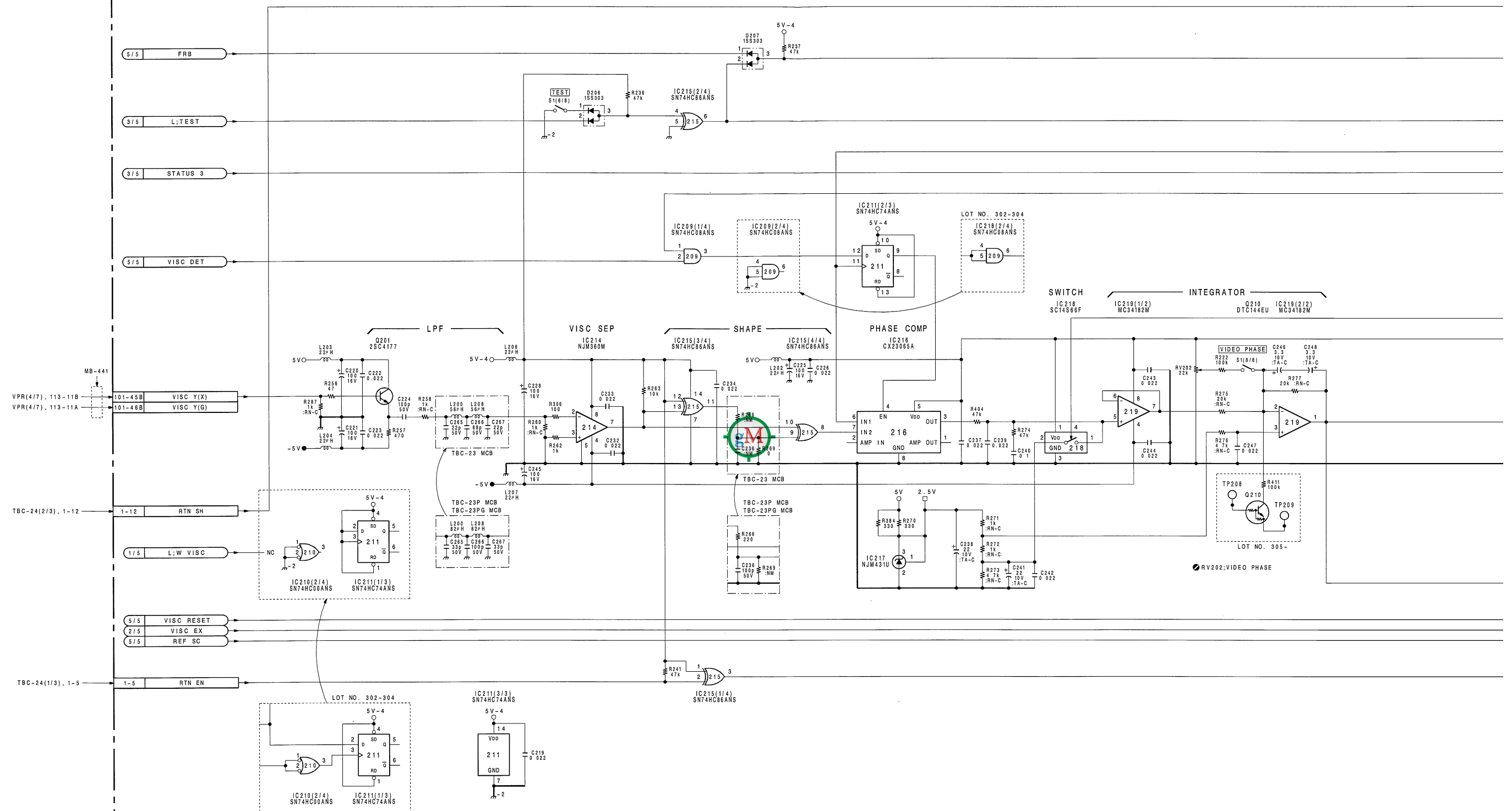
LOT NO.	BOARD NO.
302-304	1-648-543-11
305-311	1-648-543-12

TBC Sequence TBC-23 BOARD (2/5)

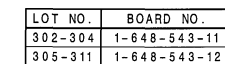
BOARD NO. 1-648-543-11, 12
BOARD'S LOT NO. 302-311
DVW-A500 (J, UC) :TBC-23 MCB
DVW-A500P (EK) :TBC-23P MCB
DVW-A500P (UC) :TBC-23PG MCB
DVW-A510 (J, UC) :TBC-23 MCB
DVW-A510P (EK) :TBC-23P MCB
DVW-CA510 (UC) :TBC-23 MCB
DVW-CA510P(EK) :TBC-23P MCB

①DVW-TBC23-ALL-A-PB-S1M-04-A





NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

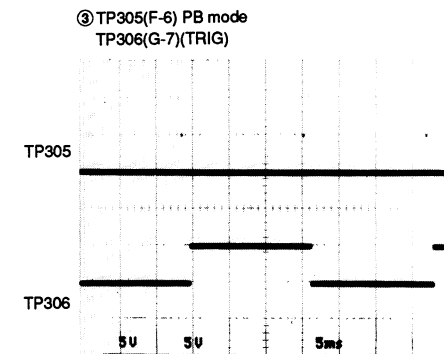
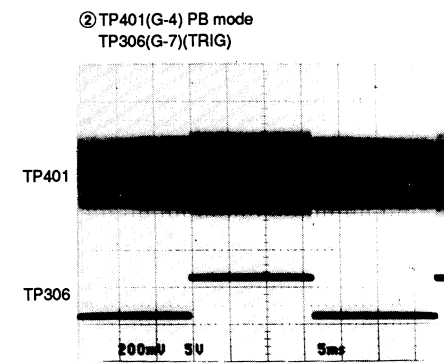
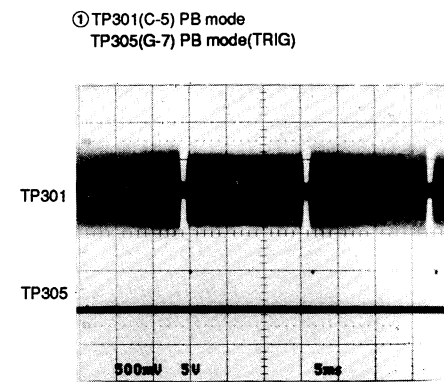
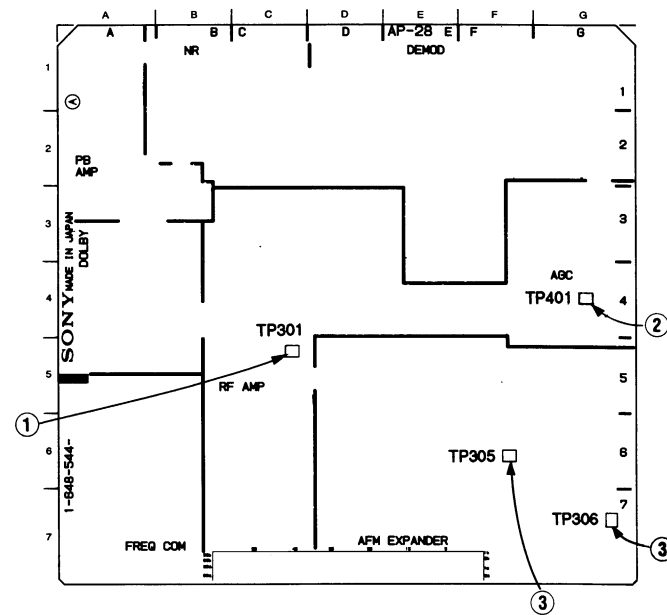


BOARD NO. 1-648-543-11, 12
BOARD'S LOT NO. 302-311
DVW-A500 (J, UC) :TBC-23 MCB
DVW-A500P (EK) :TBC-23P MCB
DVW-A500P (UC) :TBC-23PG MCB
DVW-A510 (J, UC) :TBC-23 MCB
DVW-A510P (EK) :TBC-23P MCB
DVW-CA510 (UC) :TBC-23 MCB
DVW-CA510P(EK) :TBC-23P MCB

DVW-TBC23-ALL-A-PB-S/M-04-A

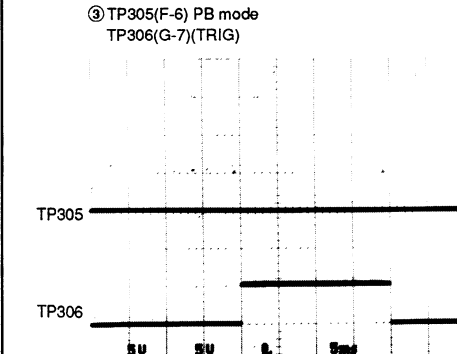
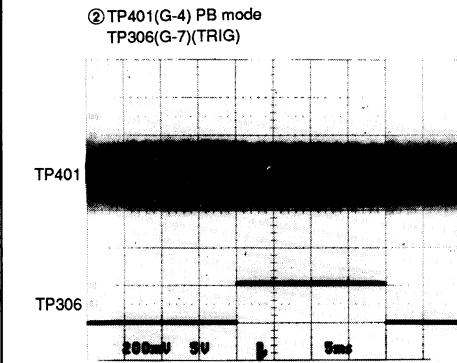
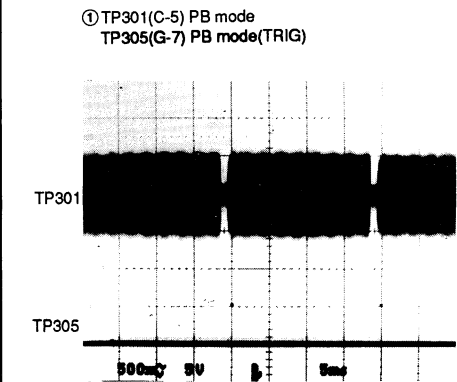


AP-28 Board -A Side-



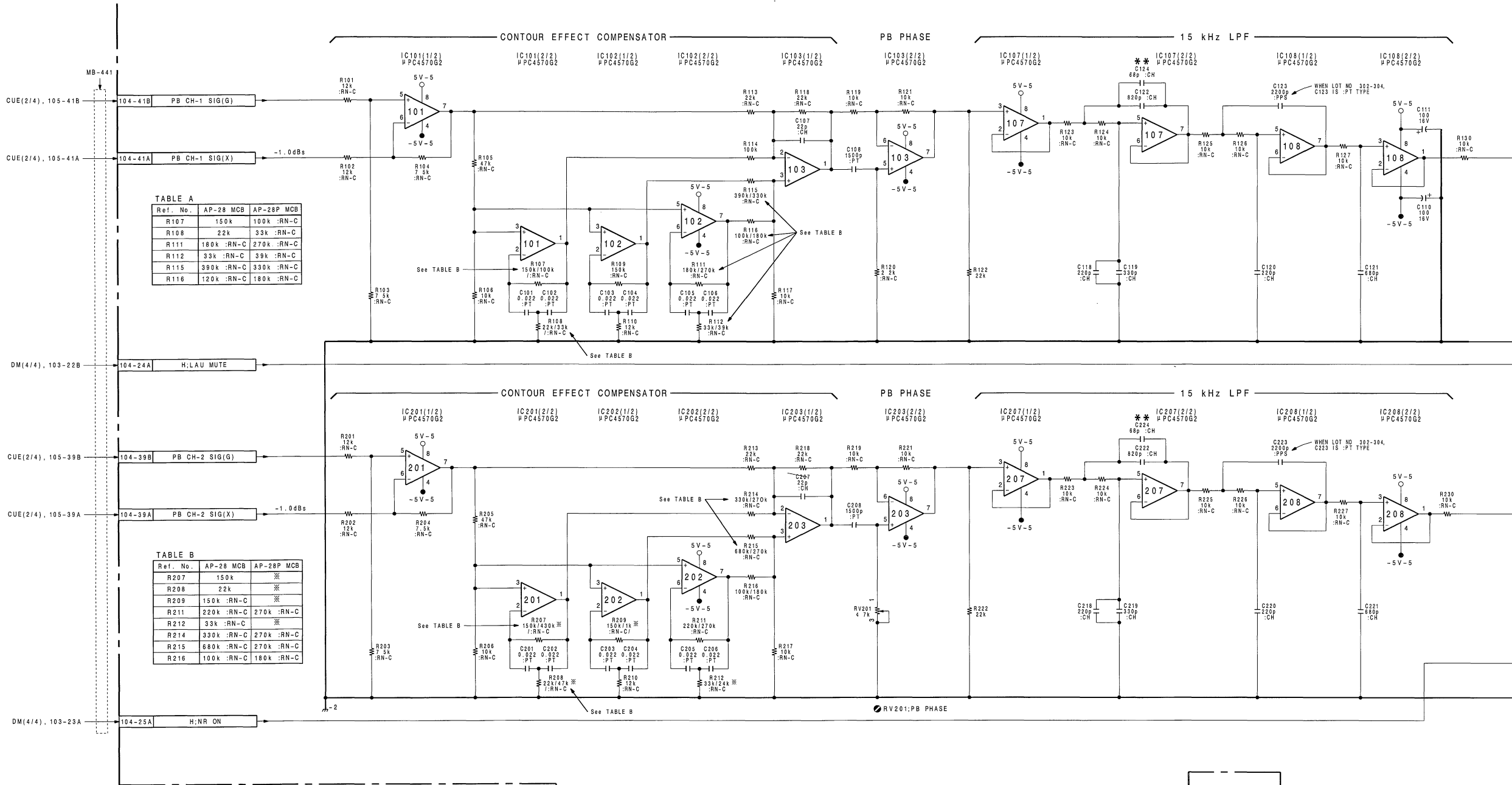
Measurement Condition
MODE : PB mode
TAPE : CR5-1B

For DVW-A500/A510/CA510



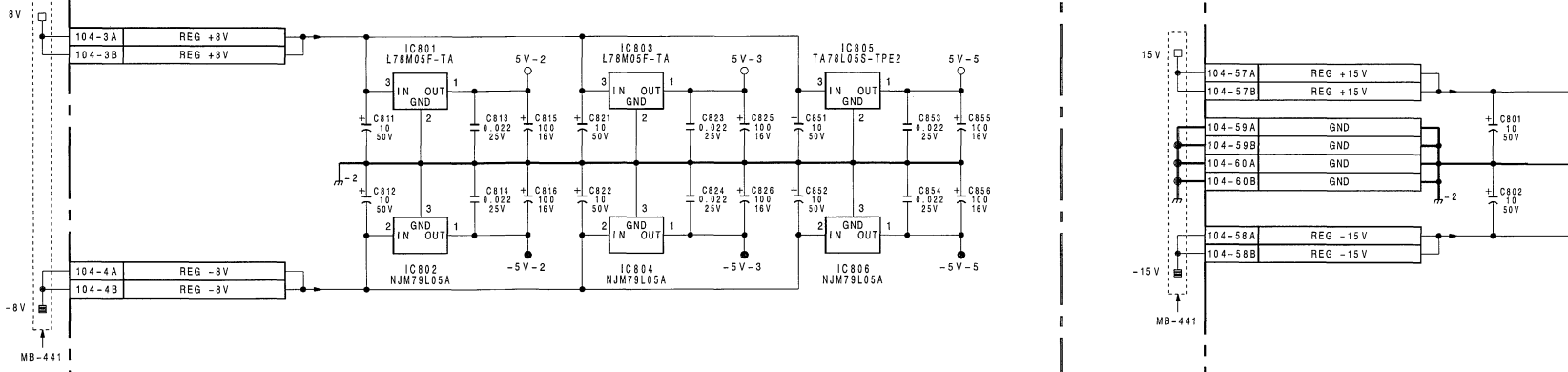
Measurement Condition
MODE : PB mode
TAPE : CR5-1BPS

For DVW-A500P/A510P/CA510P



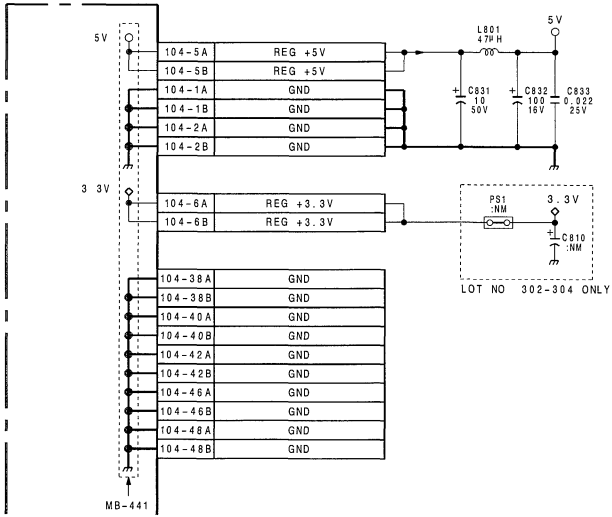
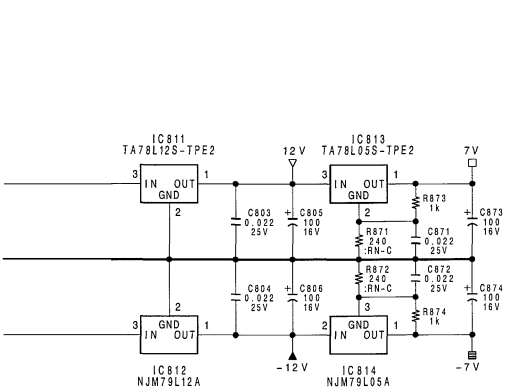
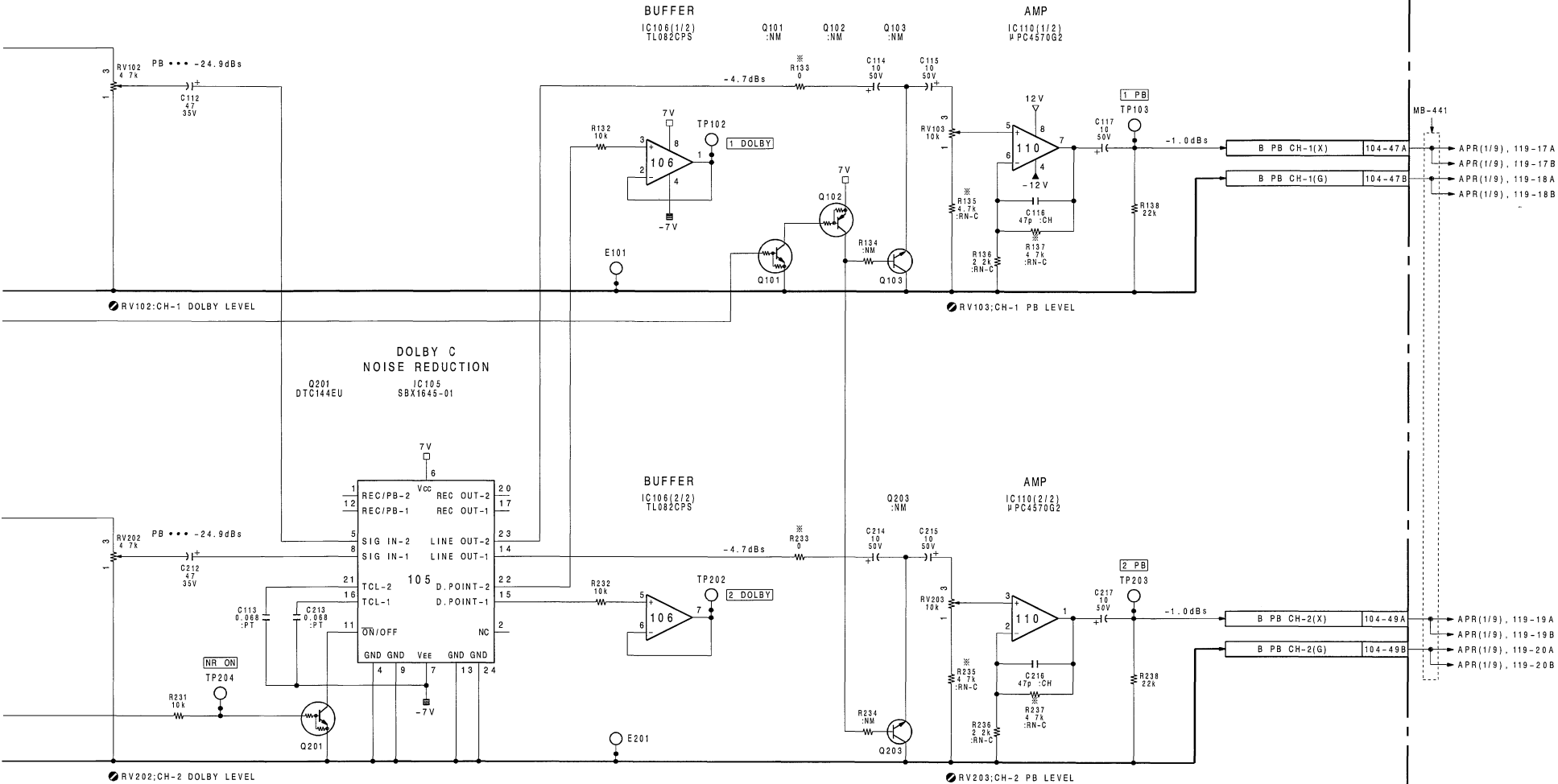
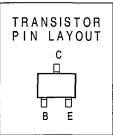
※ PART CHANGE INFORMATION

Ref. No.	Old	New	Change	Repair part for Old part	Simultaneously change part
D-3	R207 330k :RN-C	430k :RN-C	311	430k :RN-C	R208, R209, R212
D-4	R208 22k	47k :RN-C	311	47k :RN-C	R207, R209, R212
D-3	R209 150k :RN-C	1k	311	1k	R207, R208, R212
E-4	R212 22k :RN-C	24k :RN-C	311	24k :RN-C	R207, R208, R209
K-1	R133 4.7k	0	311	0	R135, R137
L-2	R135 10k :RN-C	4.7k :RN-C	311	4.7k :RN-C	R133, R137
L-2	R137 3.3k :RN-C	4.7k :RN-C	311	4.7k :RN-C	R133, R135
K-3	R233 4.7k :RN-C	0	311	0	R235, R237
L-3	R235 10k :RN-C	4.7k :RN-C	311	4.7k :RN-C	R233, R237
L-4	R237 3.3k :RN-C	4.7k :RN-C	311	4.7k :RN-C	R233, R235



NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.

The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit board (of the following board No.) with silk screen.
AP-28 BOARD: 1-648-544-11



LOT NO.	BOARD NO.
302-304	1-648-544-11
305-312	1-648-544-12
401-	1-648-544-13

Betacam PB LAU Process
AP-28 BOARD (1/3)

BOARD NO. 1-648-544-11, 12, 13
BOARD' S LOT NO. 302-
DVW-A500 (J, UC) :AP-28 MCB
DVW-A500P (EK) :AP-28P MCB
DVW-A500P (UC) :AP-28P MCB
DVW-A510 (J, UC) :AP-28 MCB
DVW-A510P (EK) :AP-28P MCB
DVW-CA510(J, UC) :AP-28 MCB
DVW-CA510P(EK) :AP-28P MCB

DVW-AP28-ALL-A-PB-S/M-04

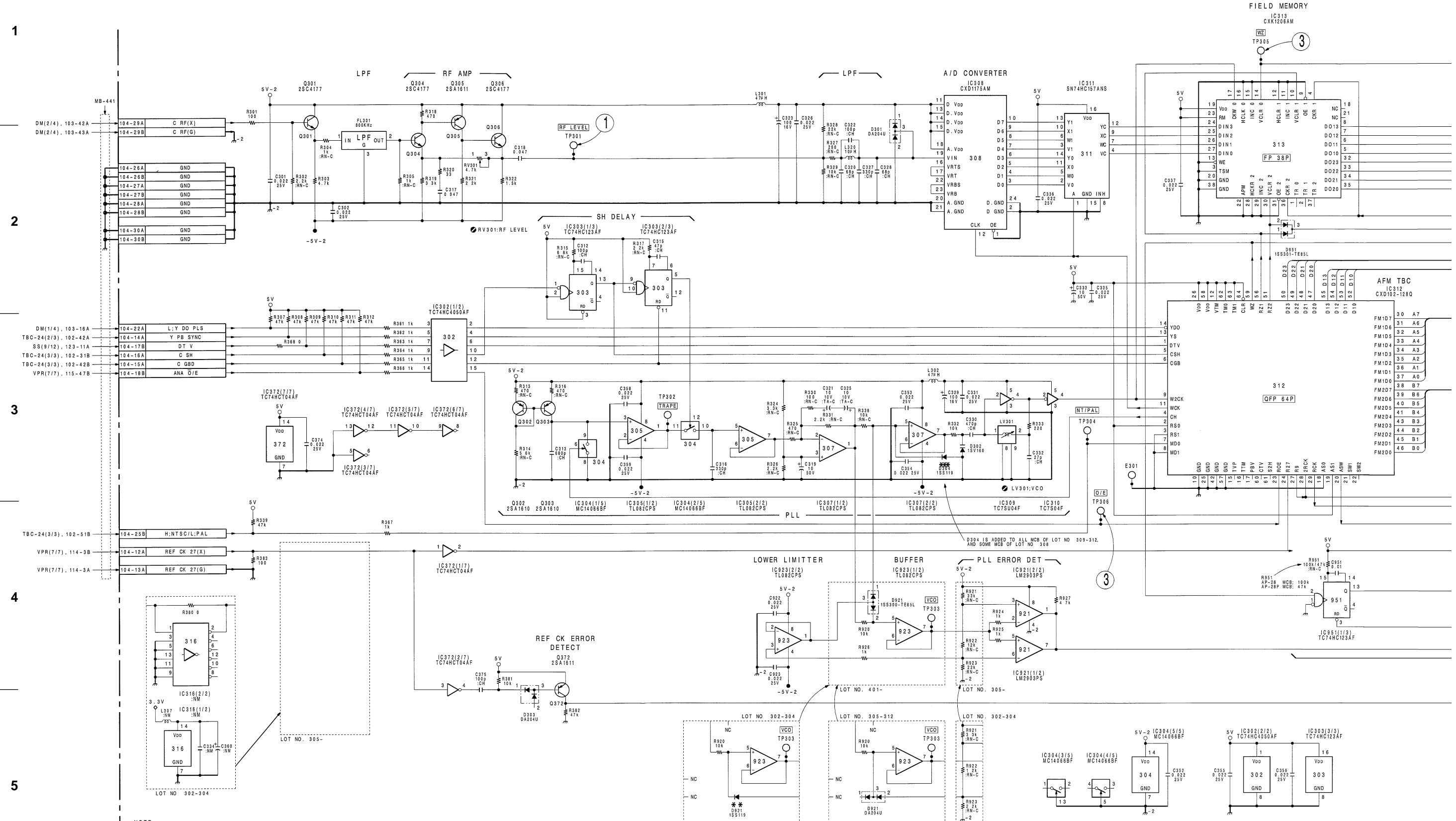
1

2

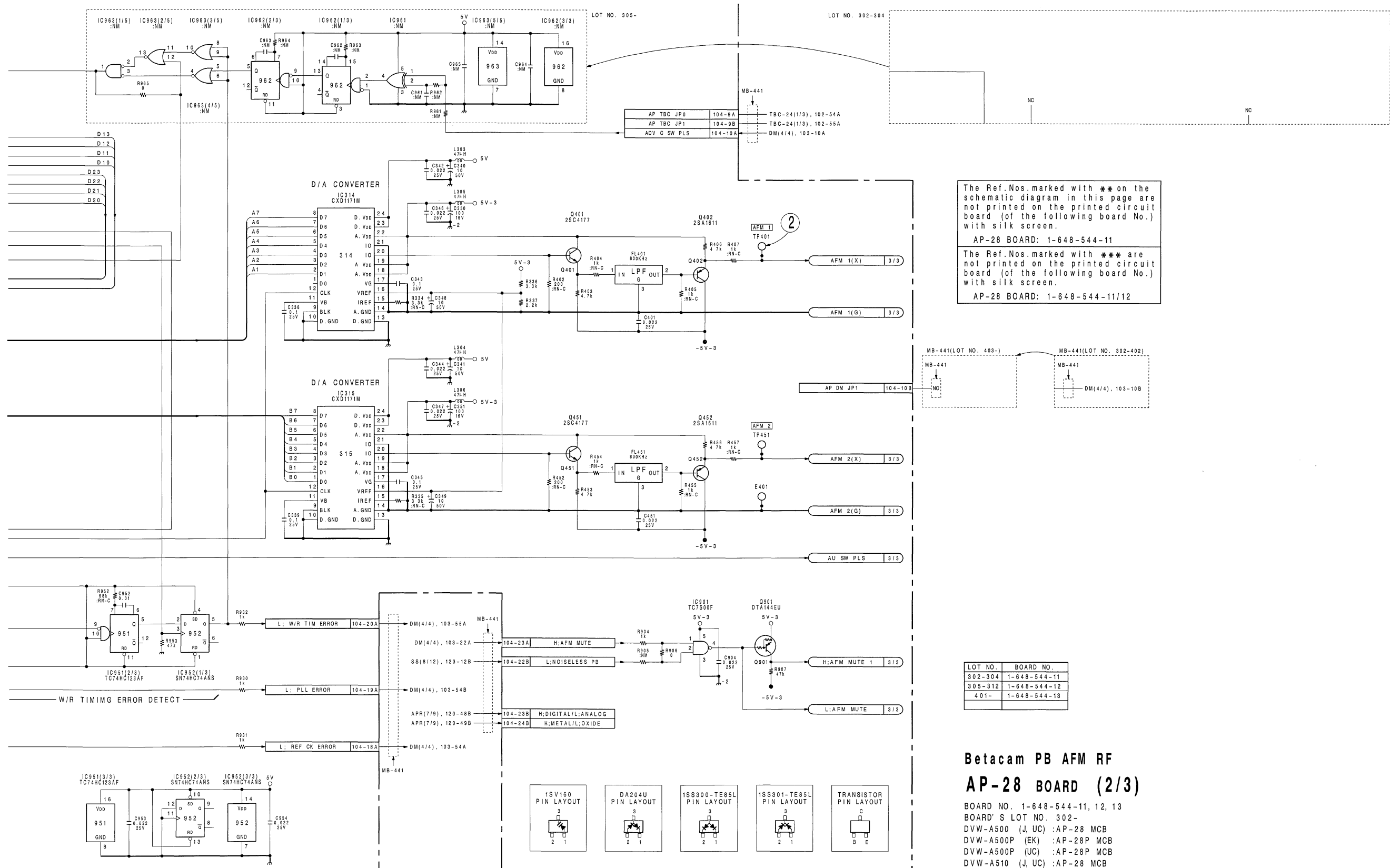
3

4

5



NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.



The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit board (of the following board No.) with silk screen.

AP-28 BOARD: 1-648-544-11

The Ref.Nos.marked with *** are not printed on the printed circuit board (of the following board No.) with silk screen.

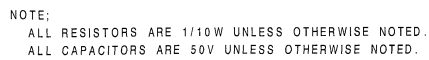
AP-28 BOARD: 1-648-544-11/12

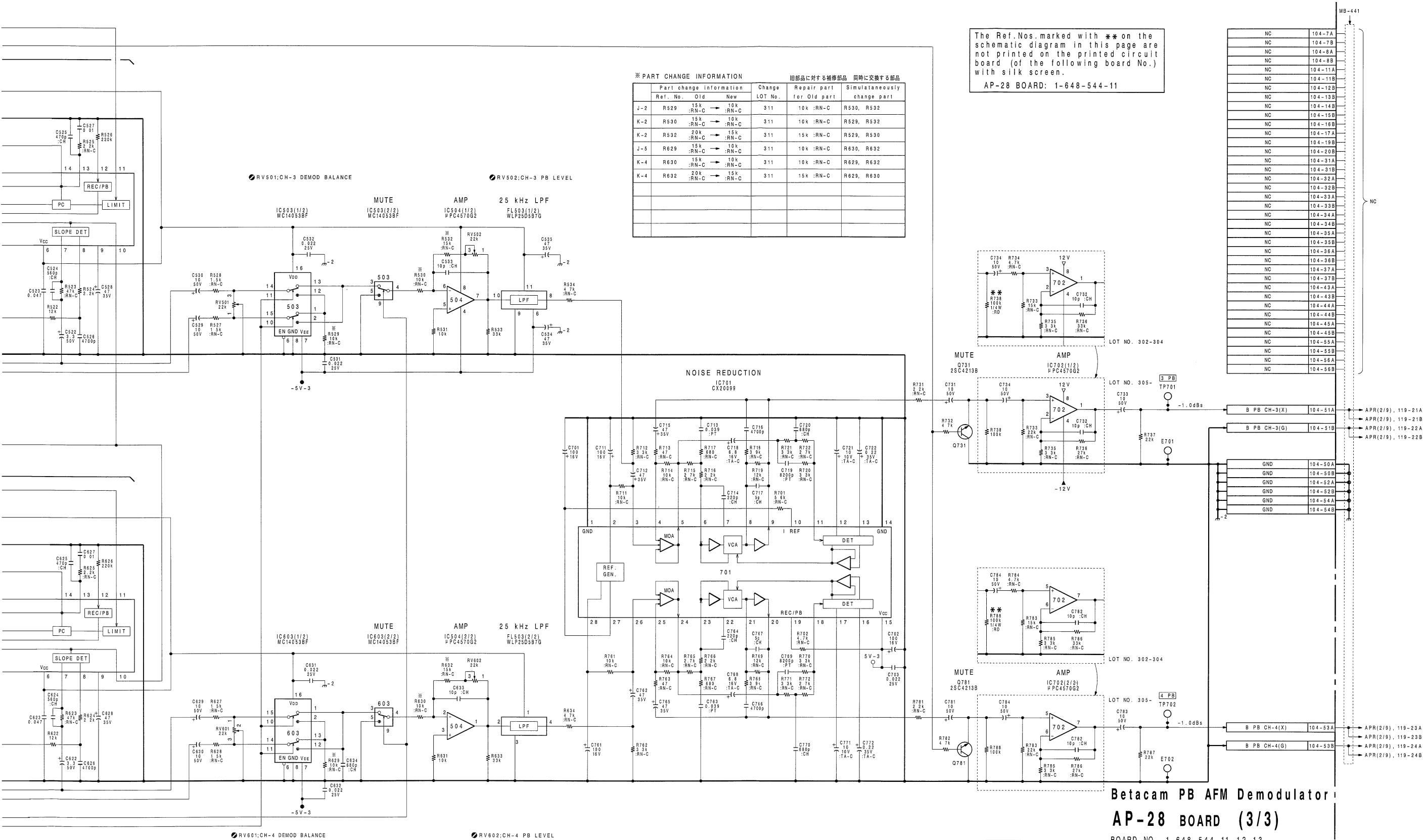
LOT NO.	BOARD NO.
302-304	1-648-544-11
305-312	1-648-544-12
401-	1-648-544-13

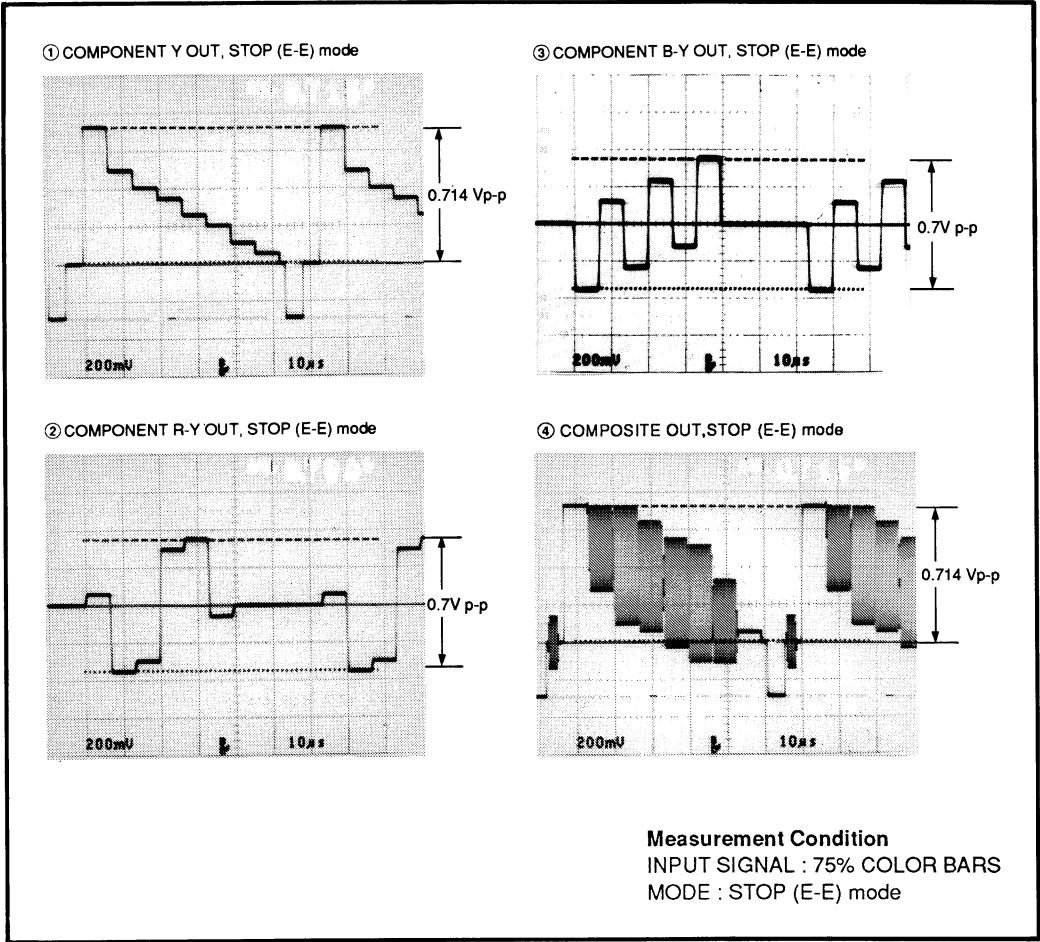
Betacam PB AFM RF AP-28 BOARD (2/3)

BOARD NO. 1-648-544-11, 12, 13
BOARD'S LOT NO. 302-
DVW-A500 (J, UC) : AP-28 MCB
DVW-A500P (EK) : AP-28P MCB
DVW-A500P (UC) : AP-28P MCB
DVW-A510 (J, UC) : AP-28 MCB
DVW-A510P (EK) : AP-28P MCB
DVW-CA510 (J, UC) : AP-28 MCB
DVW-CA510P (EK) : AP-28P MCB

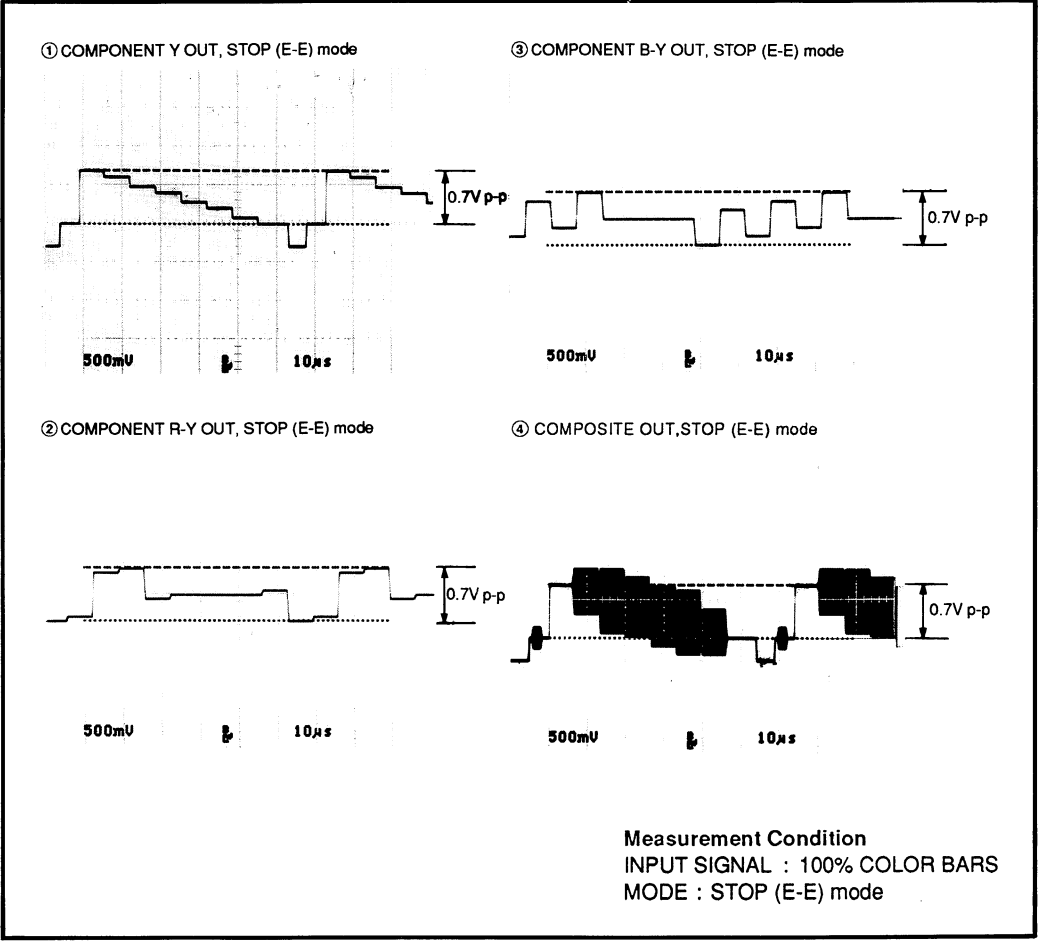
DVW-AP28-ALL-A-PB-S/M-04



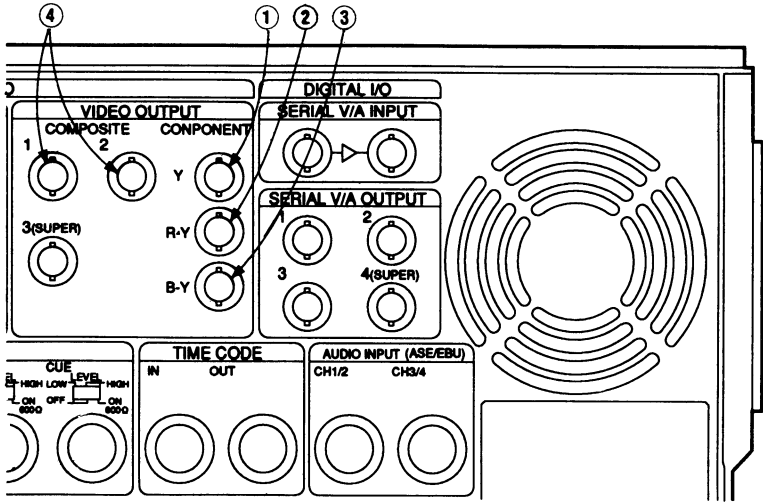


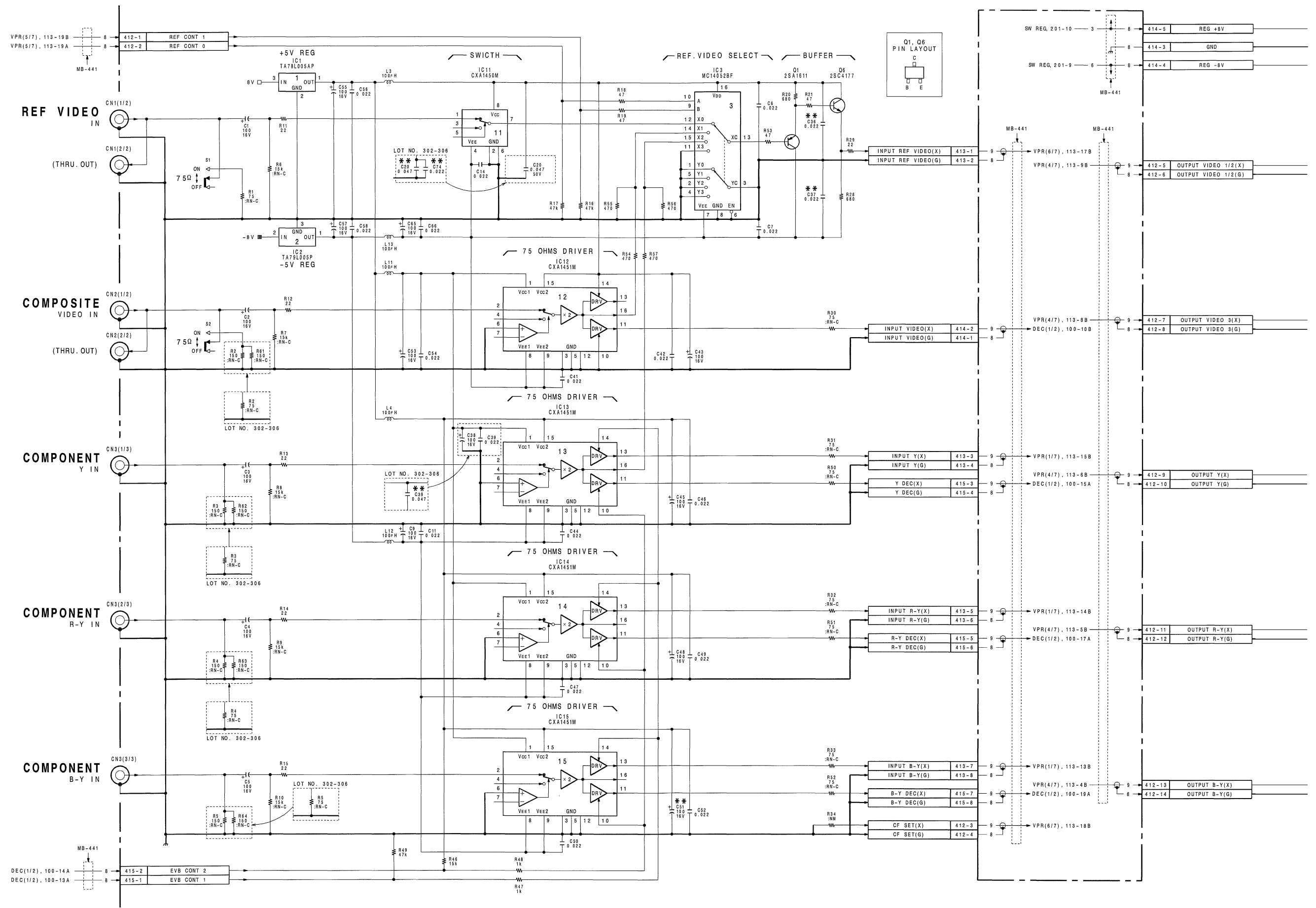


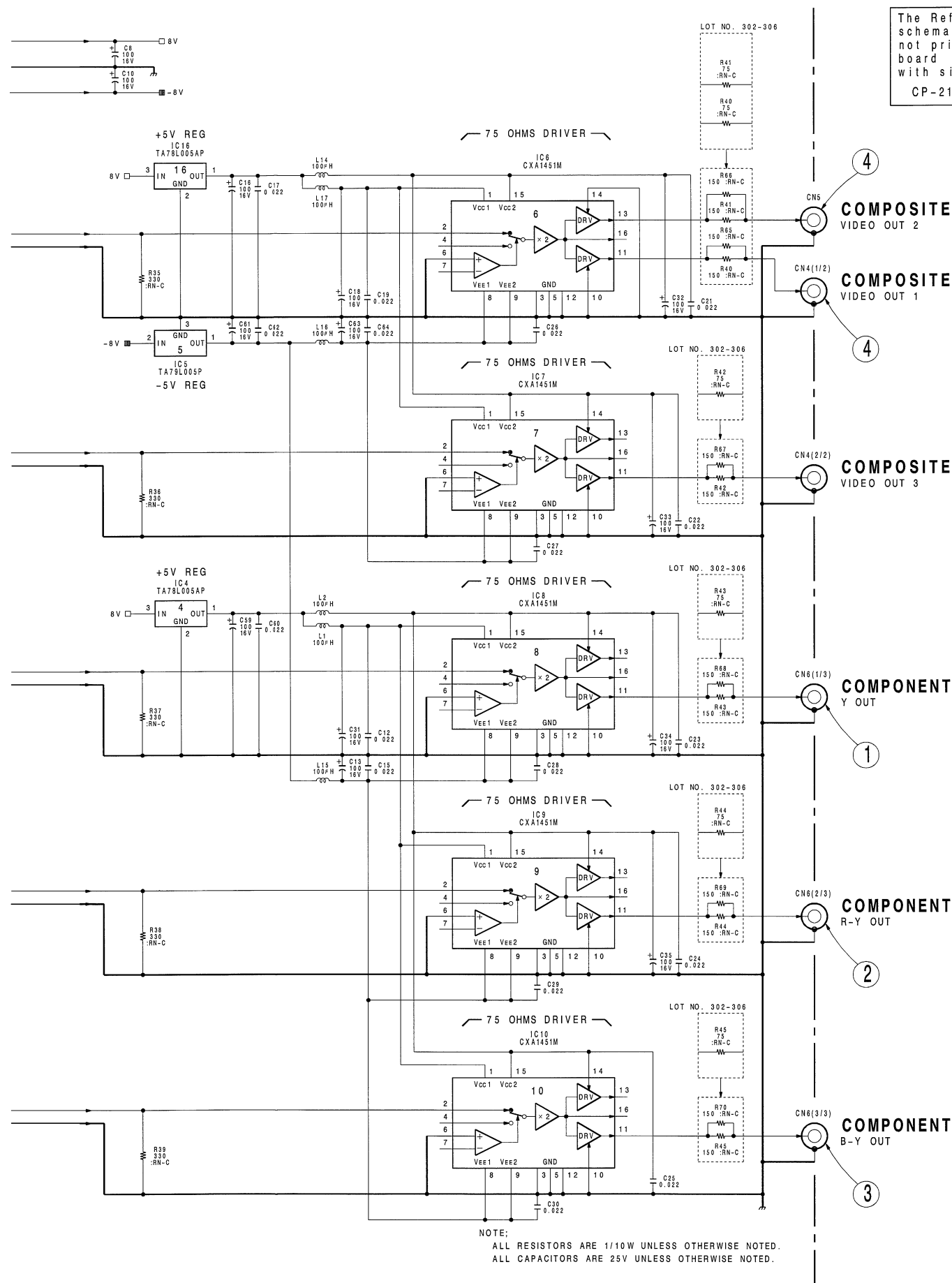
For DVW-A500/500



For DVW-A500P/500P







The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit board (of the following board No.) with silk screen.
CP-218 BOARD: 1-648-555-11

LOT NO.	BOARD NO.
302-306	1-648-555-11
307-	1-648-555-12

Rear Connector Board (Analog Video) CP-218 BOARD

BOARD NO. 1-648-555-11, 12
BOARD'S LOT NO. 302-
DVW-A500(J, UC) : CP-218 MCB
DVW-A500P(EK) : CP-218 MCB
DVW-A500P(UC) : CP-218 MCB
DVW-500 (J, UC) : CP-218 MCB
DVW-500P (EK) : CP-218 MCB
DVW-500P (UC) : CP-218 MCB

DVW-CP218-ALL-REC-S/M-04

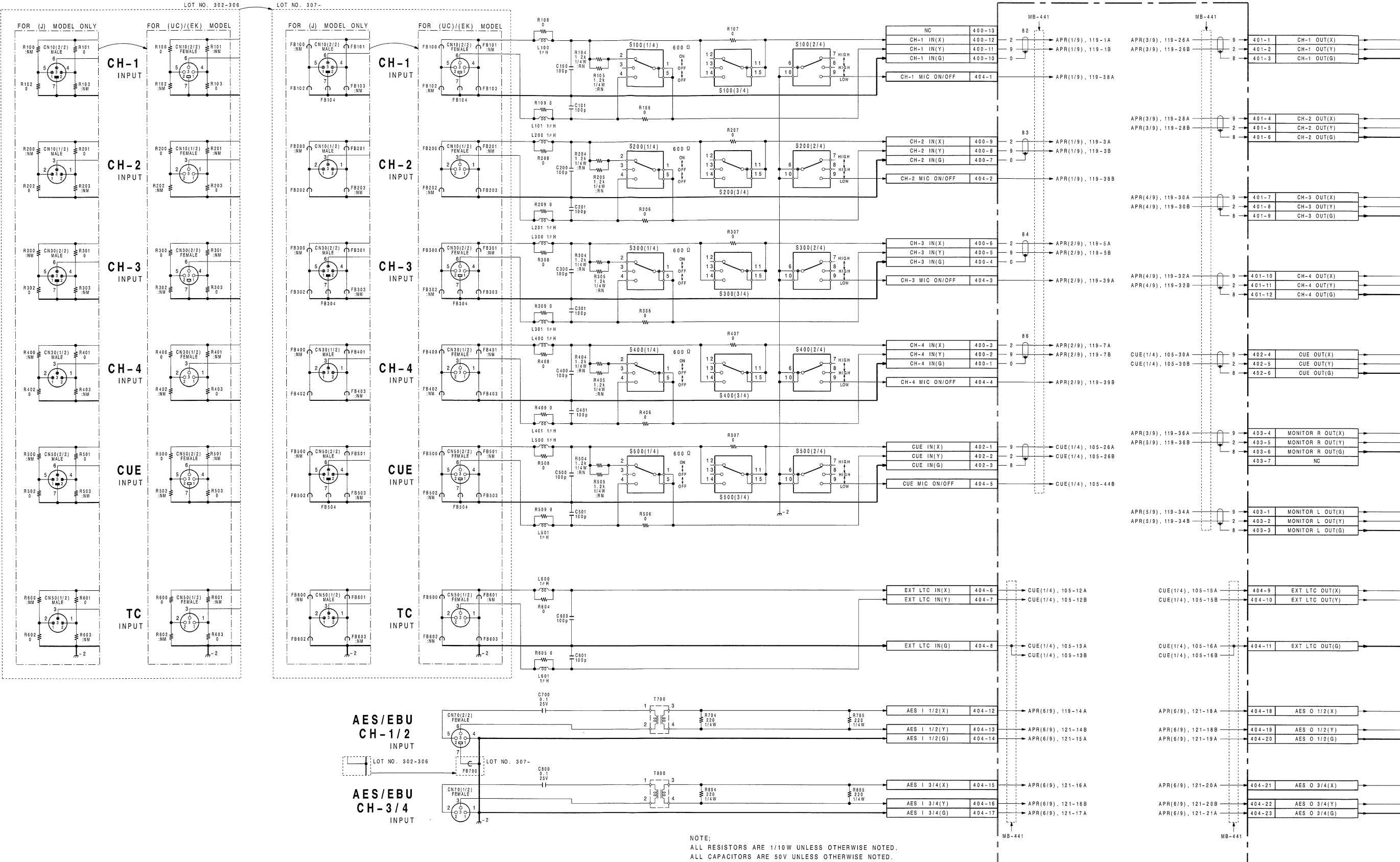
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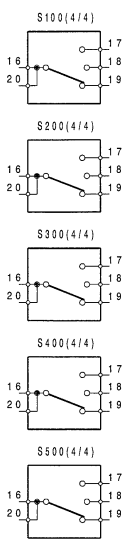
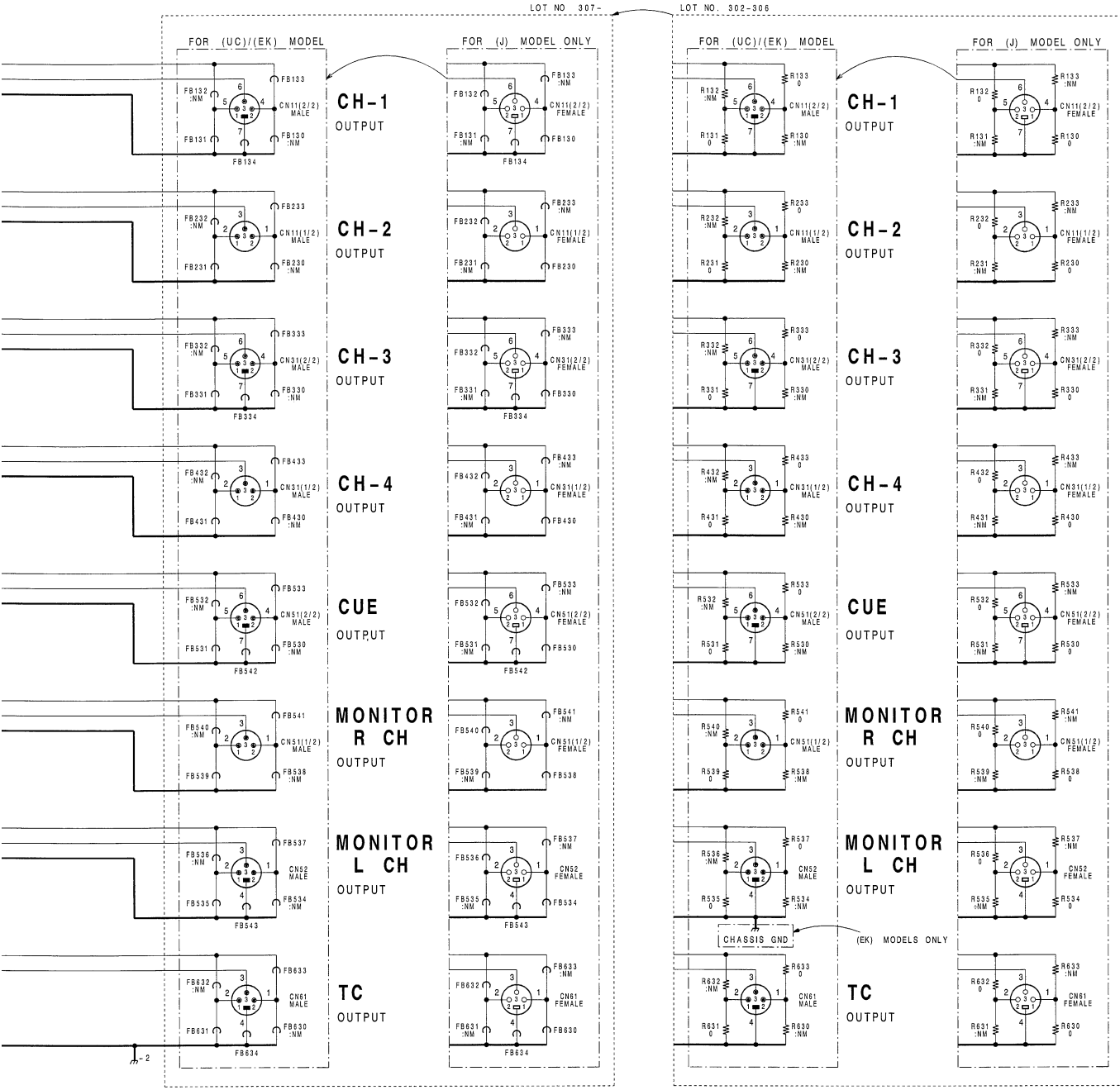
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3

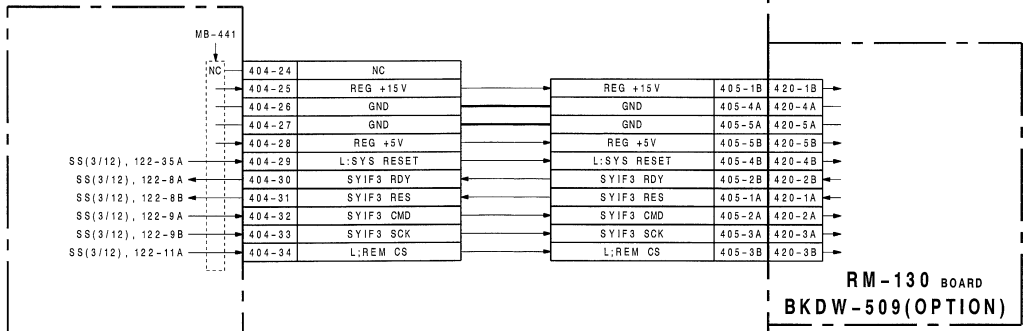
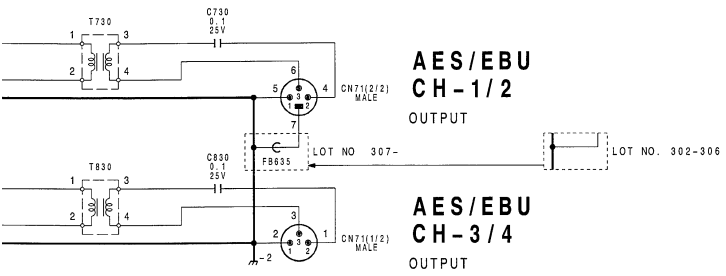
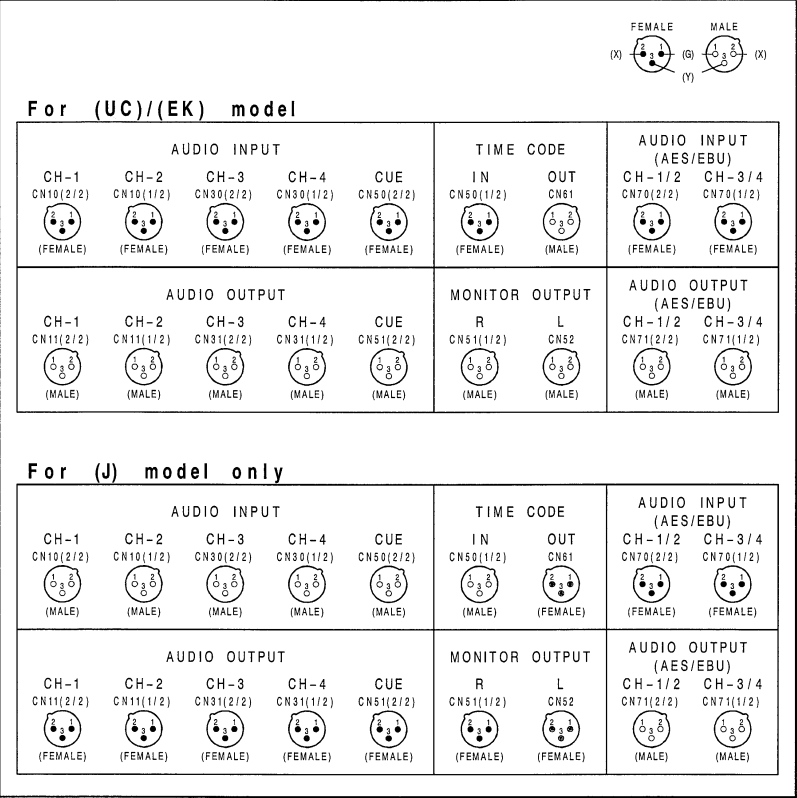
4

5





XLR CONNECTORS LOCATION OF REAR PANEL

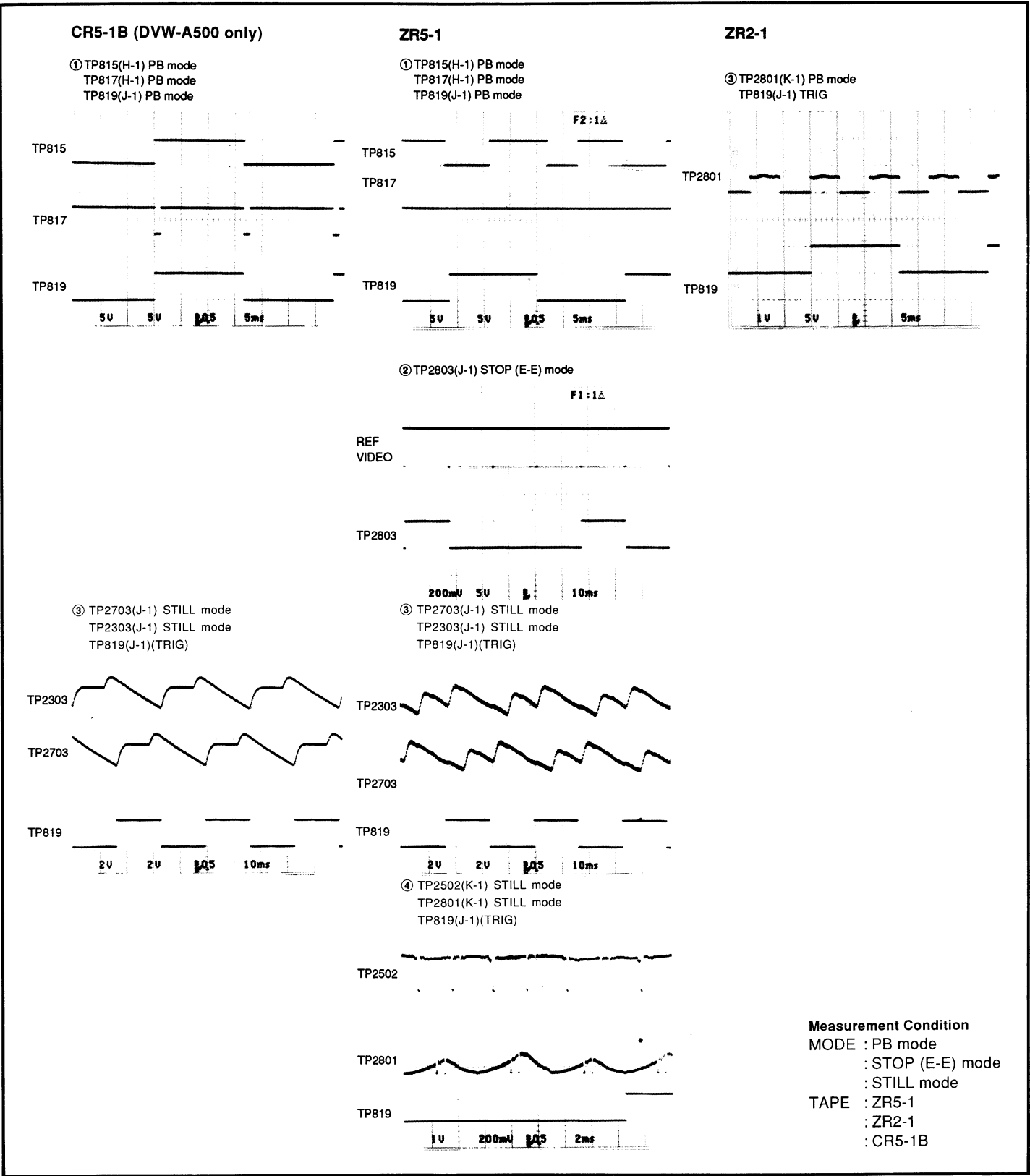
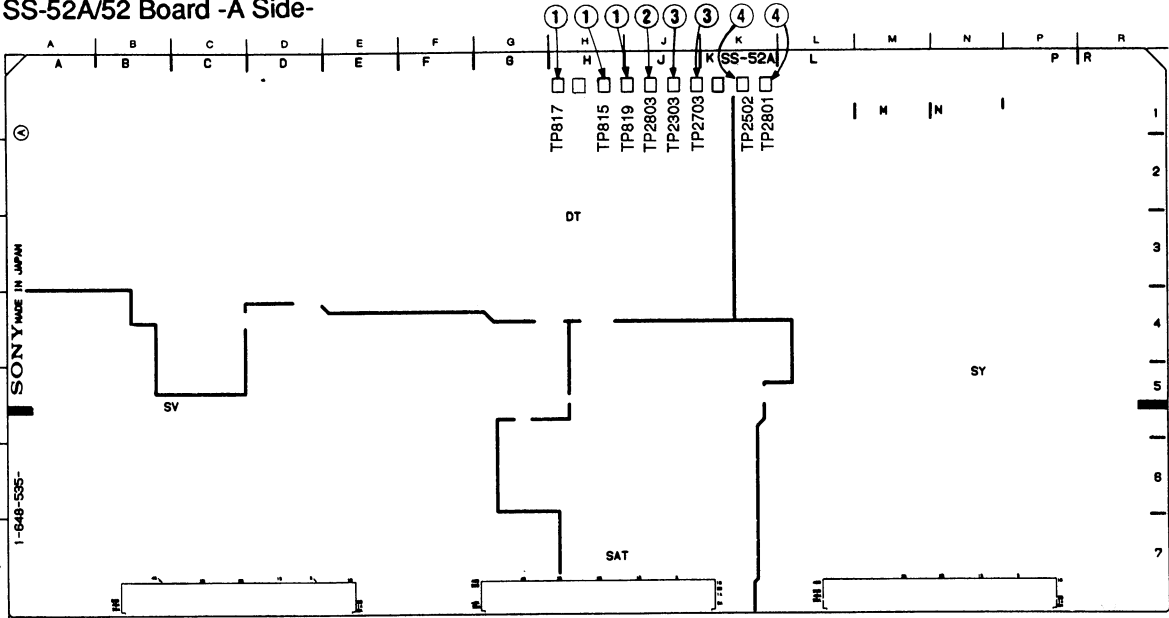


LOT No.	BOARD No.
302-306	1-648-556-11
307-	1-648-556-12

Rear Connector Board
(Analog/Digital Audio, TC)
CP-220 BOARD

BOARD NO. 1-648-556-11, 12
BOARD'S LOT NO. 302-
DVW-A500 (J) : CP-220J MCB
DVW-A500 (UC) : CP-220 MCB
DVW-A500P(EK) : CP-220 MCB
DVW-A500P(UC) : CP-220 MCB
DVW-500 (J) : CP-220J MCB
DVW-500 (UC) : CP-220 MCB
DVW-500P (EK) : CP-220 MCB
DVW-500P (UC) : CP-220 MCB
DVW-CP220-ALL-REC-S/M-04

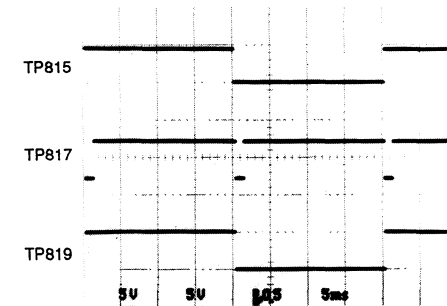
SS-52A/52 Board -A Side-



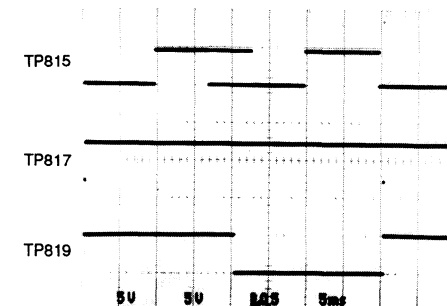
For DVW-A500/500

CR5-1BPS (DVW-A500P only)

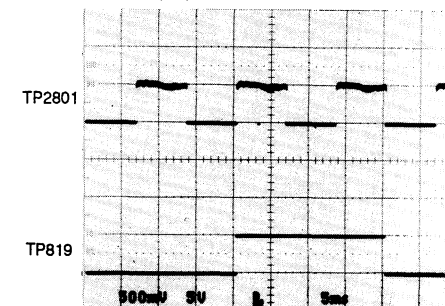
① TP815(H-1) PB mode
TP817(H-1) PB mode
TP819(J-1) PB mode

**ZR5-1P**

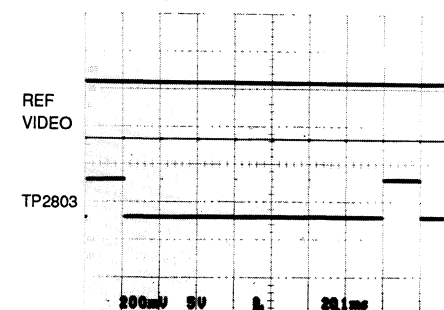
① TP815(H-1) PB mode
TP817(H-1) PB mode
TP819(J-1) PB mode

**ZR2-1P**

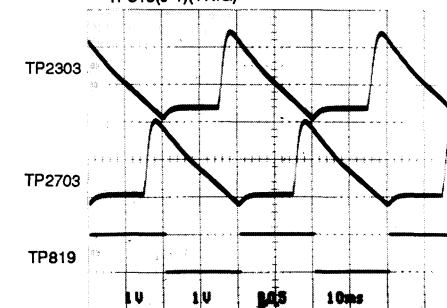
④ TP2801 (K-1) PB mode
TP891 (J-1) TRIG



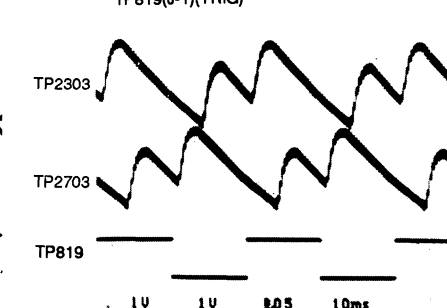
② TP2803(J-1) STOP (E-E) mode



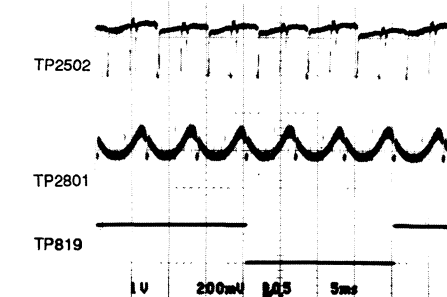
③ TP2703(J-1) STILL mode
TP2303(J-1) STILL mode
TP819(J-1)(TRIG)



④ TP2703(J-1) STILL mode
TP2303(J-1) STILL mode
TP819(J-1)(TRIG)



④ TP2502(K-1) STILL mode
TP2801(K-1) STILL mode
TP819(J-1)(TRIG)



Measurement Condition
MODE : PB mode
 : STOP (E-E) mode
 : STILL mode
TAPE : ZR5-1P
 : ZR2-1P
 : CR5-1BPS

For DVW-A500P/500P

1

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A

B

C

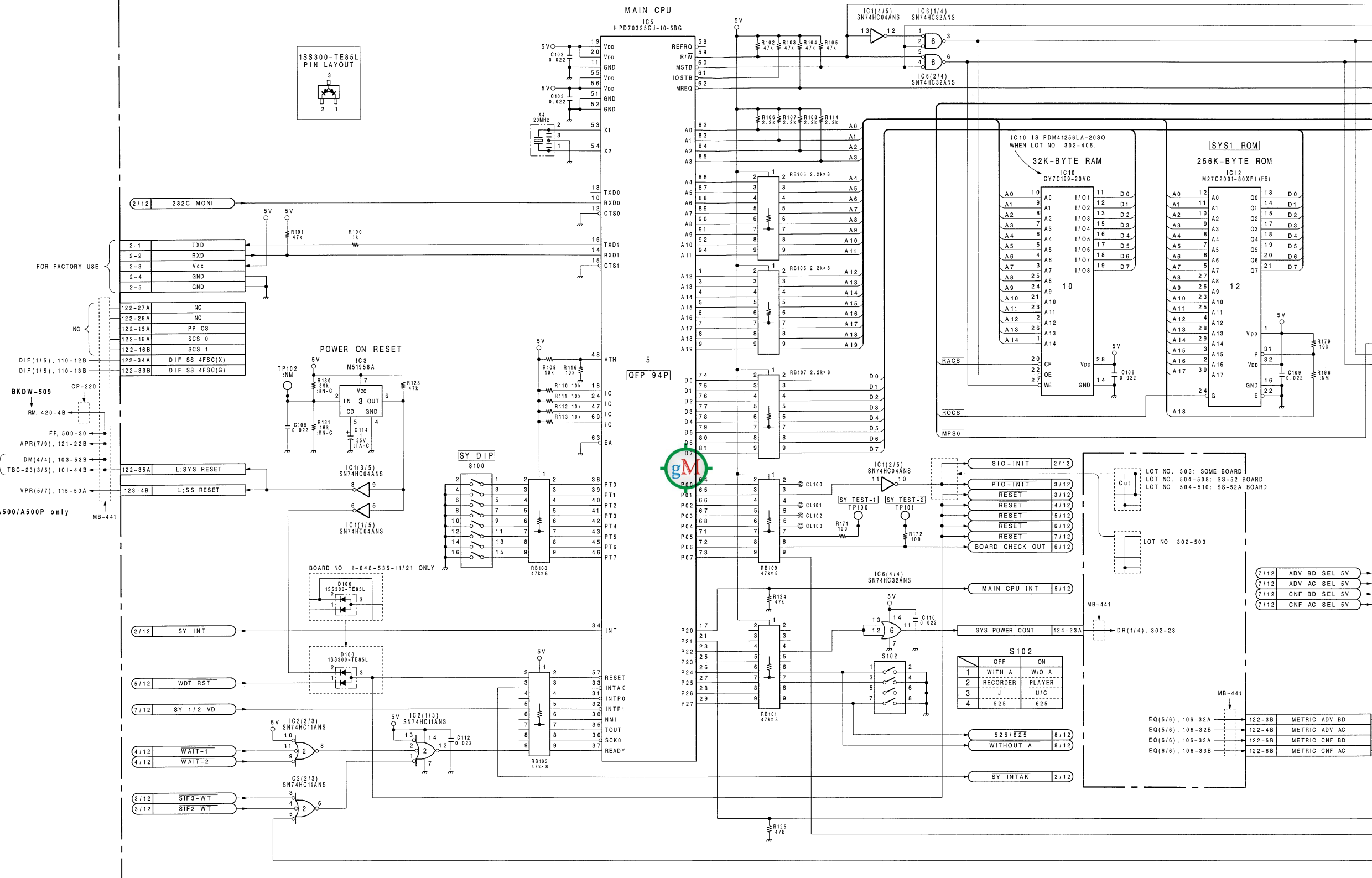
D

E

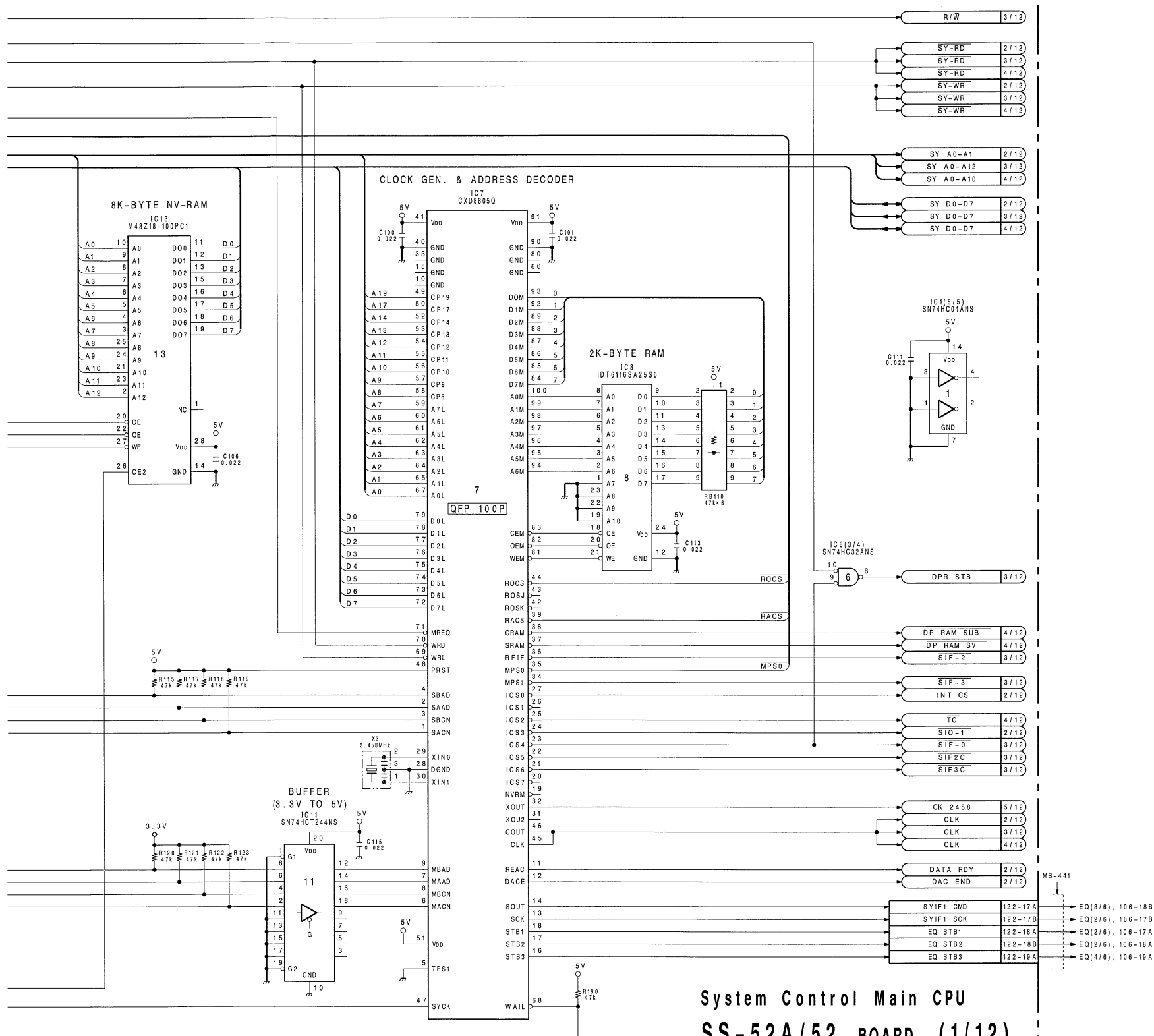
F

G

H



NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.



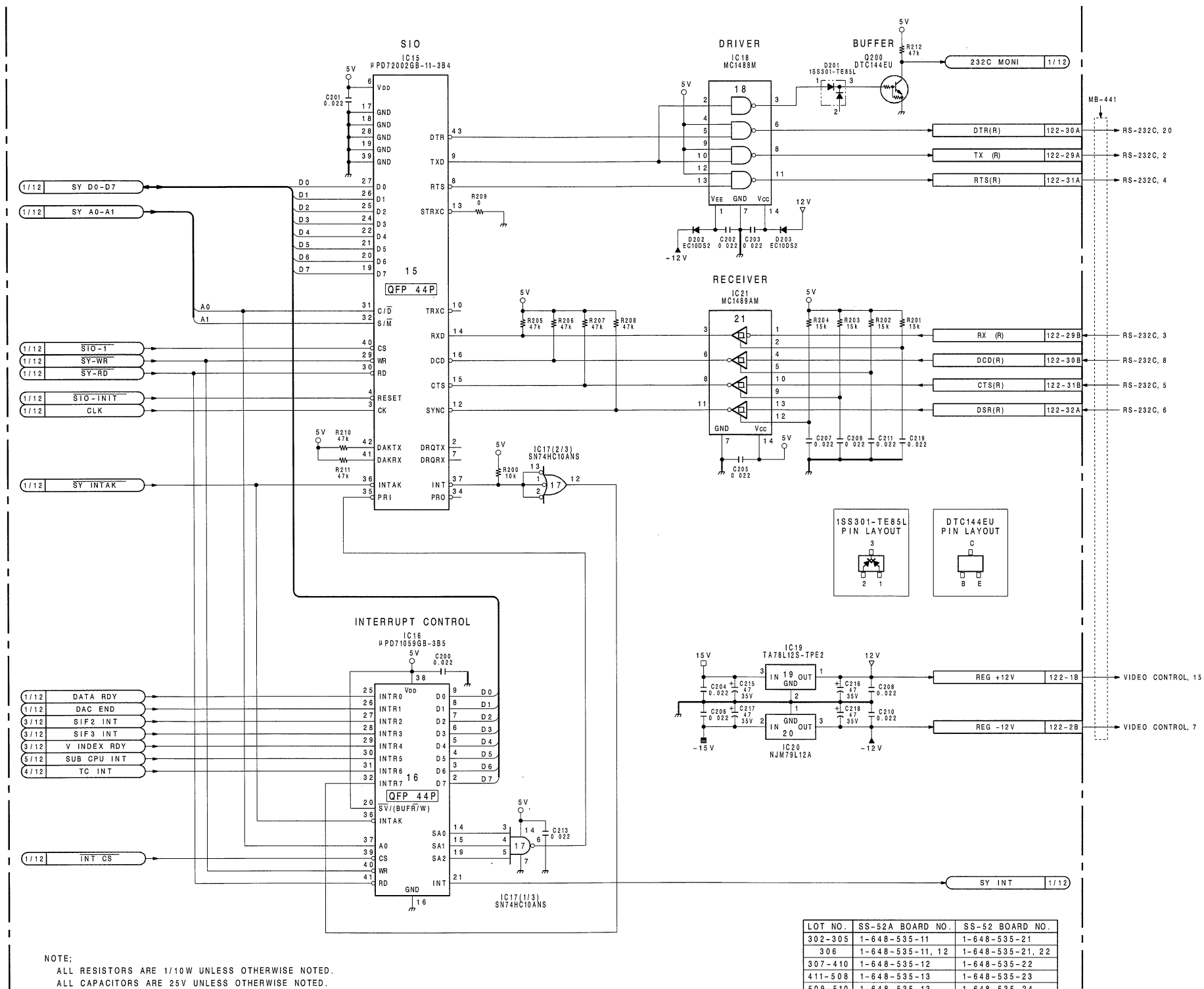
LOT NO.	SS-52A BOARD NO.	SS-52 BOARD NO.
302-305	1-648-535-11	1-648-535-21
306	1-648-535-11, 12	1-648-535-21, 22
307-410	1-648-535-12	1-648-535-22
411-508	1-648-535-13	1-648-535-23
509-510	1-648-535-13	1-648-535-24
511-	1-648-535-14	1-648-535-24

System Control Main CPU

SS-52A/52 BOARD (1/12)

BOARD NO. 1-648-535-11, 12, 13, 14/21, 22, 23, 24
BOARD' S LOT NO. 302-
DVW-A500(J, UC) :SS-52A MCB
DVW-A500P(EK) :SS-52AP MCB
DVW-A500P(UC) :SS-52AP MCB
DVW-500 (J, UC) :SS-52 MCB
DVW-500P (EK) :SS-52P MCB
DVW-500P (UC) :SS-52P MCB

DVW-SS52-ALL-REC-S/M-03



RS-232C Interface, Interrupt Control SS-52A/52 BOARD (2/12)

BOARD NO. 1-648-535-11, 12, 13, 14/21, 22, 23, 24
BOARD'S LOT NO. 302-
DVW-A500(J, UC) :SS-52A MCB
DVW-A500P(EK) :SS-52AP MCB
DVW-A500P(UC) :SS-52AP MCB
DVW-500 (J, UC) :SS-52 MCB
DVW-500P (EK) :SS-52P MCB
DVW-500P (UC) :SS-52P MCB

DVW-SS52-ALL-REC-S/M-05

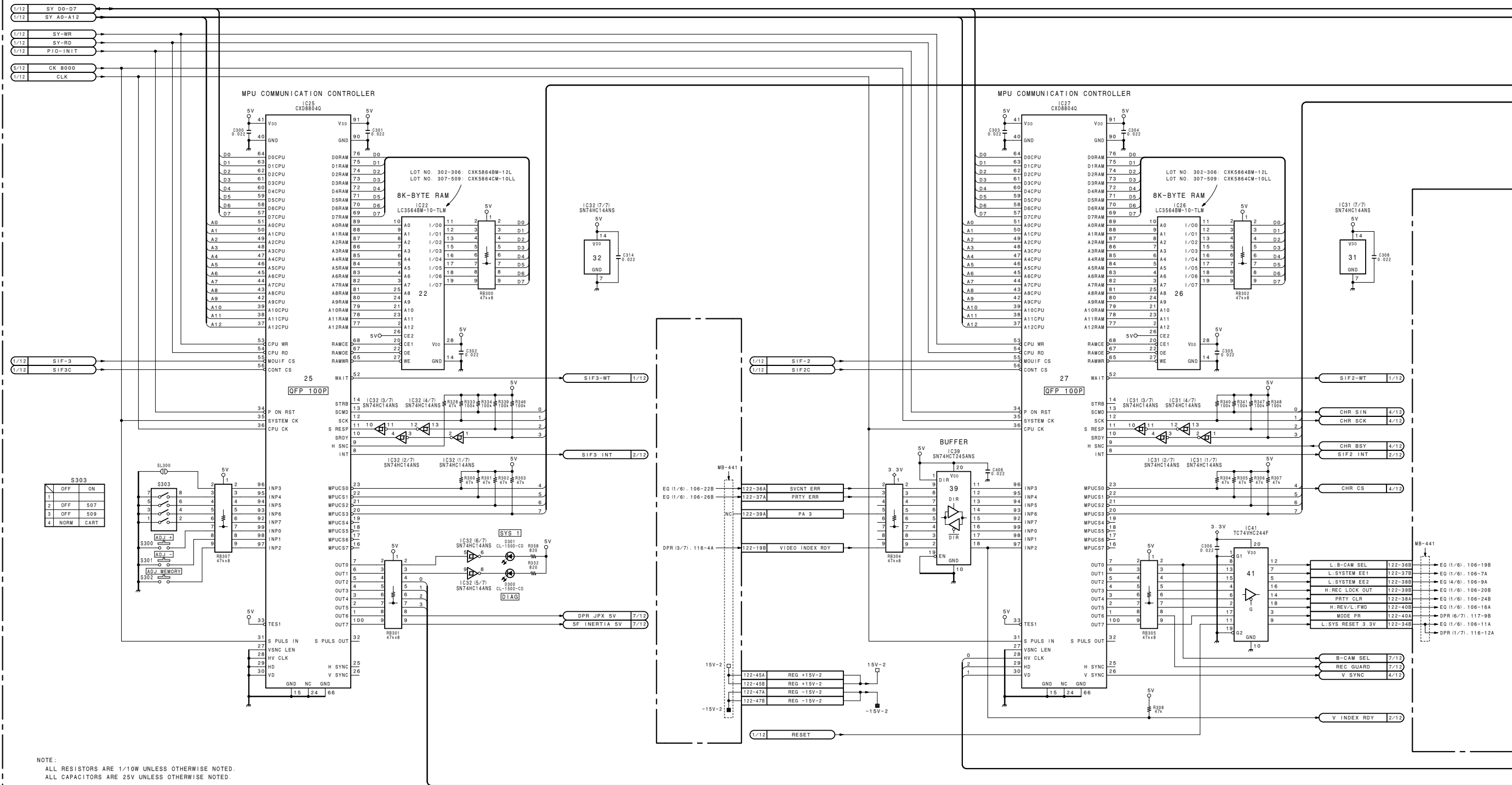
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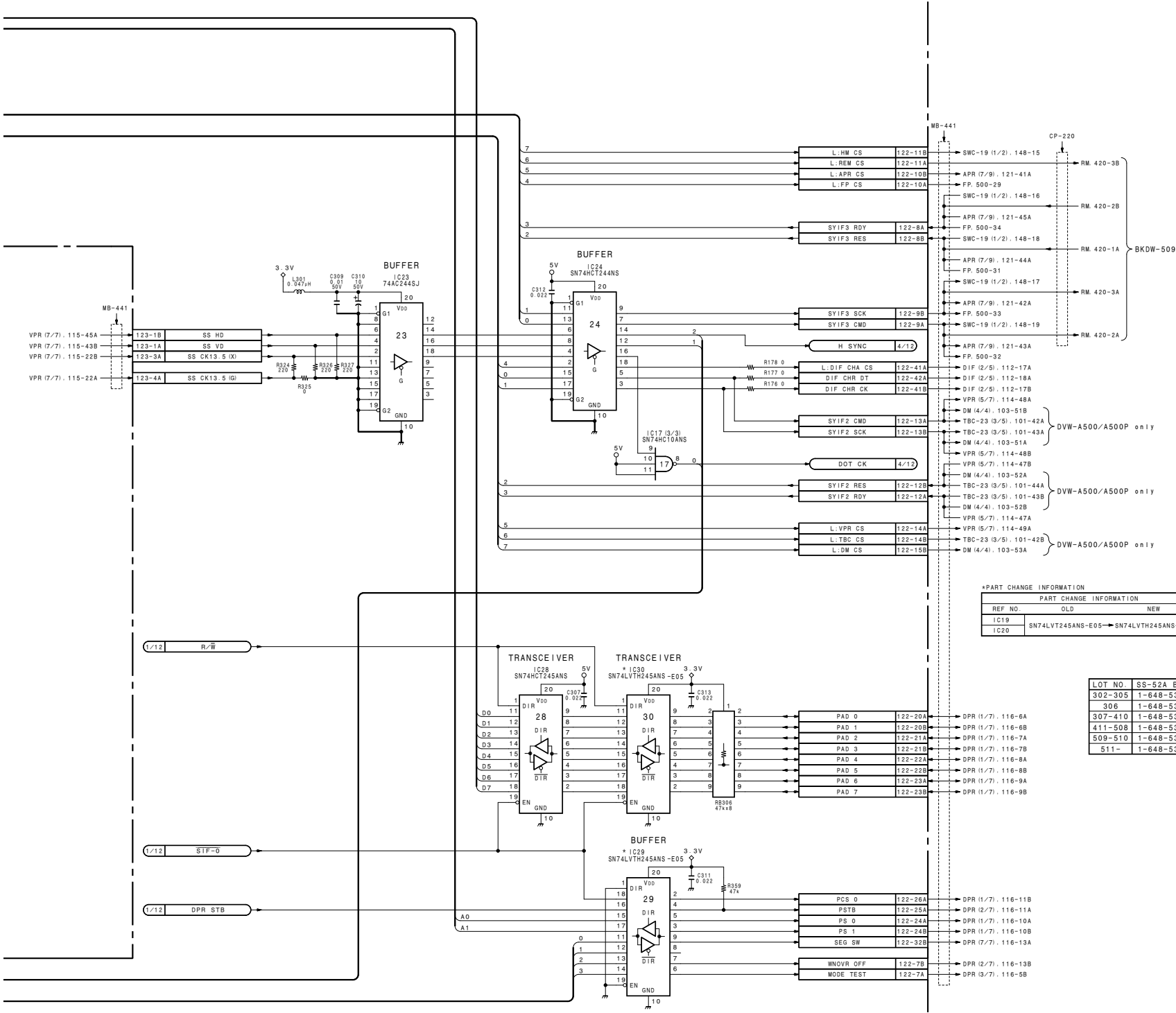
2

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*PART CHANGE INFORMATION

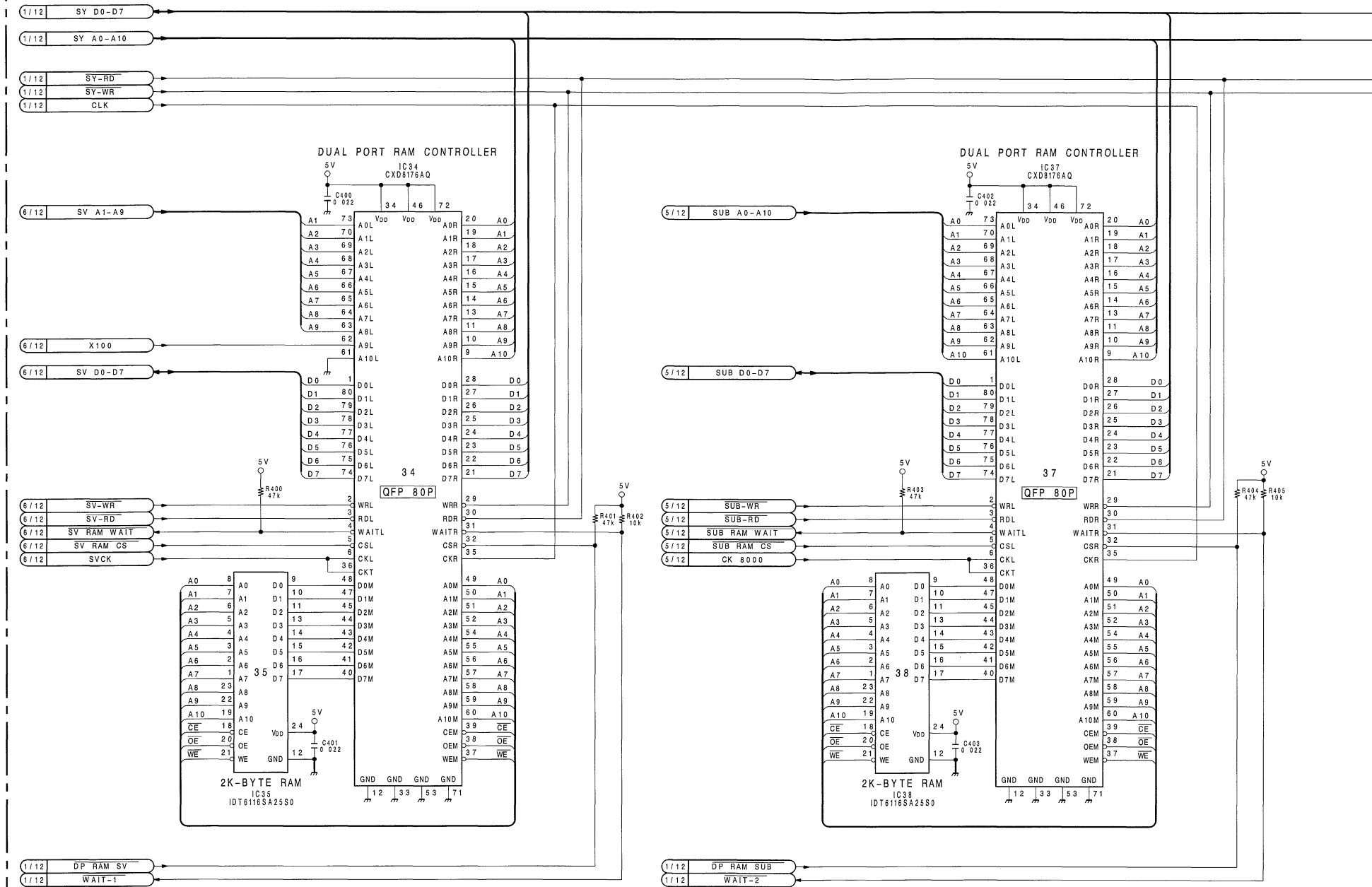
REF NO.	PART CHANGE INFORMATION	CHANGE LOT NO.	REPAIR PART FOR OLD PART	SIMULTANEOUSLY CHANGE PART
IC19	SN74LVTH245ANS-E05	905	SN74LVTH245ANS-E05	IC30
IC20	SN74LVTH245ANS-E05	905	SN74LVTH245ANS-E05	IC29

LOT NO.	SS-52A BOARD NO.	SS-52 BOARD NO.
302-305	1-648-535-11	1-648-535-21
306	1-648-535-11, 12	1-648-535-21, 22
307-410	1-648-535-12	1-648-535-22
411-508	1-648-535-13	1-648-535-23
509-510	1-648-535-13	1-648-535-24
511-	1-648-535-14	1-648-535-24

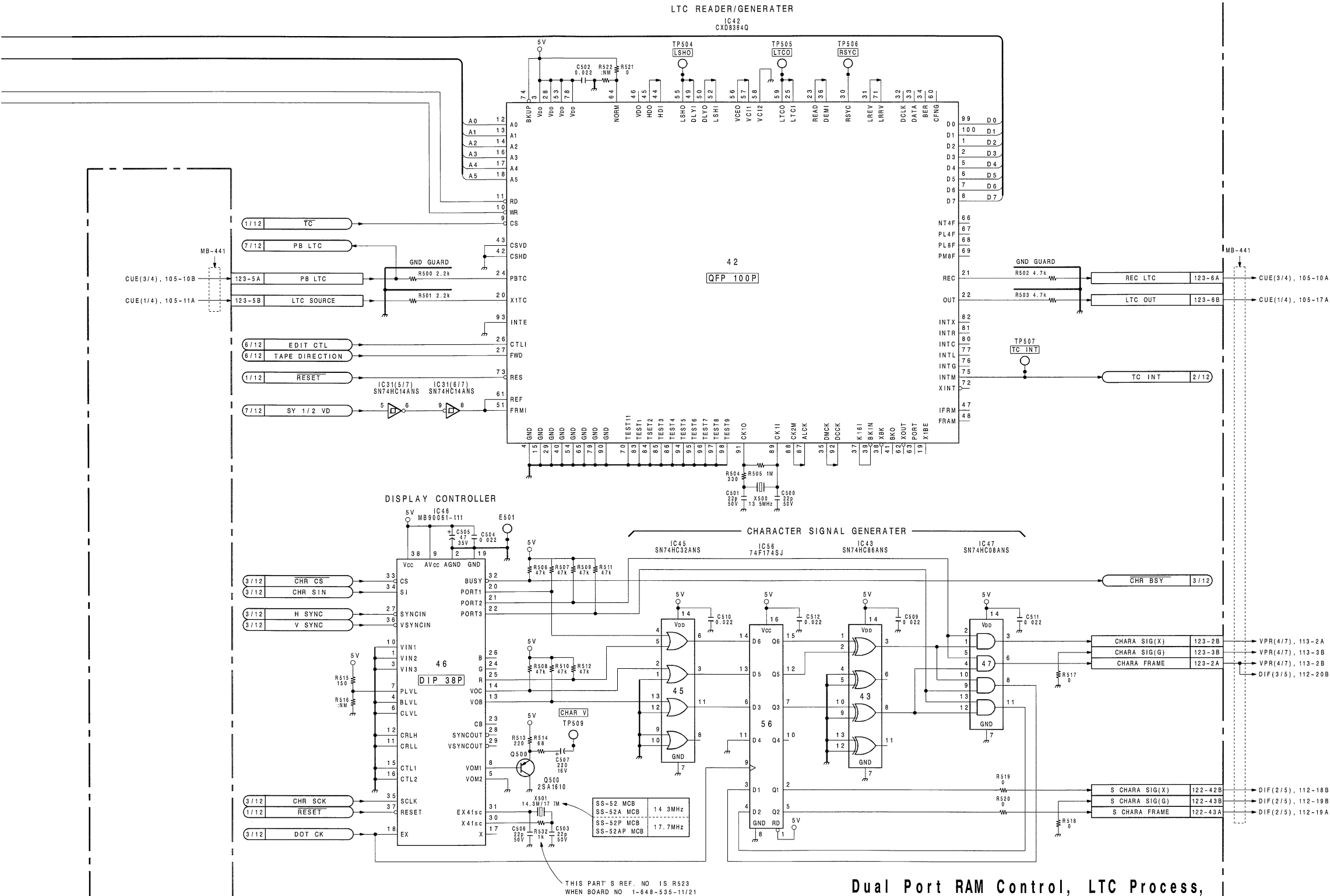
Audio/Video System Control
SS-52A/52 BOARD (3/12)

BOARD NO. 1-648-535-11, 12, 13, 14/21, 22, 23, 24
BOARD'S LOT NO. 302-
DVW-A500 (J, UC) : SS-52A MCB
DVW-A500P (EK) : SS-52AP MCB
DVW-A500P (UC) : SS-52AP MCB
DVW-500 (J, UC) : SS-52 MCB
DVW-500P (EK) : SS-52P MCB
DVW-500P (UC) : SS-52P MCB

[DVW-SS52-ALL-REC-S/M-05]



NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.



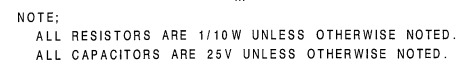
Dual Port RAM Control, LTC Process,
Character Signal Generate

SS-52A/52 BOARD (4/12)

BOARD NO. 1-648-535-11, 12, 13, 14/21, 22, 23, 24
BOARD S LOT NO. 302-
DVW-A500(J, UC) :SS-52A MCB
DVW-A500P(EK) :SS-52AP MCB
DVW-A500P(UC) :SS-52AP MCB
DVW-500 (J, UC) :SS-52 MCB
DVW-500P (EK) :SS-52P MCB
DVW-500P (UC) :SS-52P MCB

DVW-SS52-ALL-REC-S7M-03

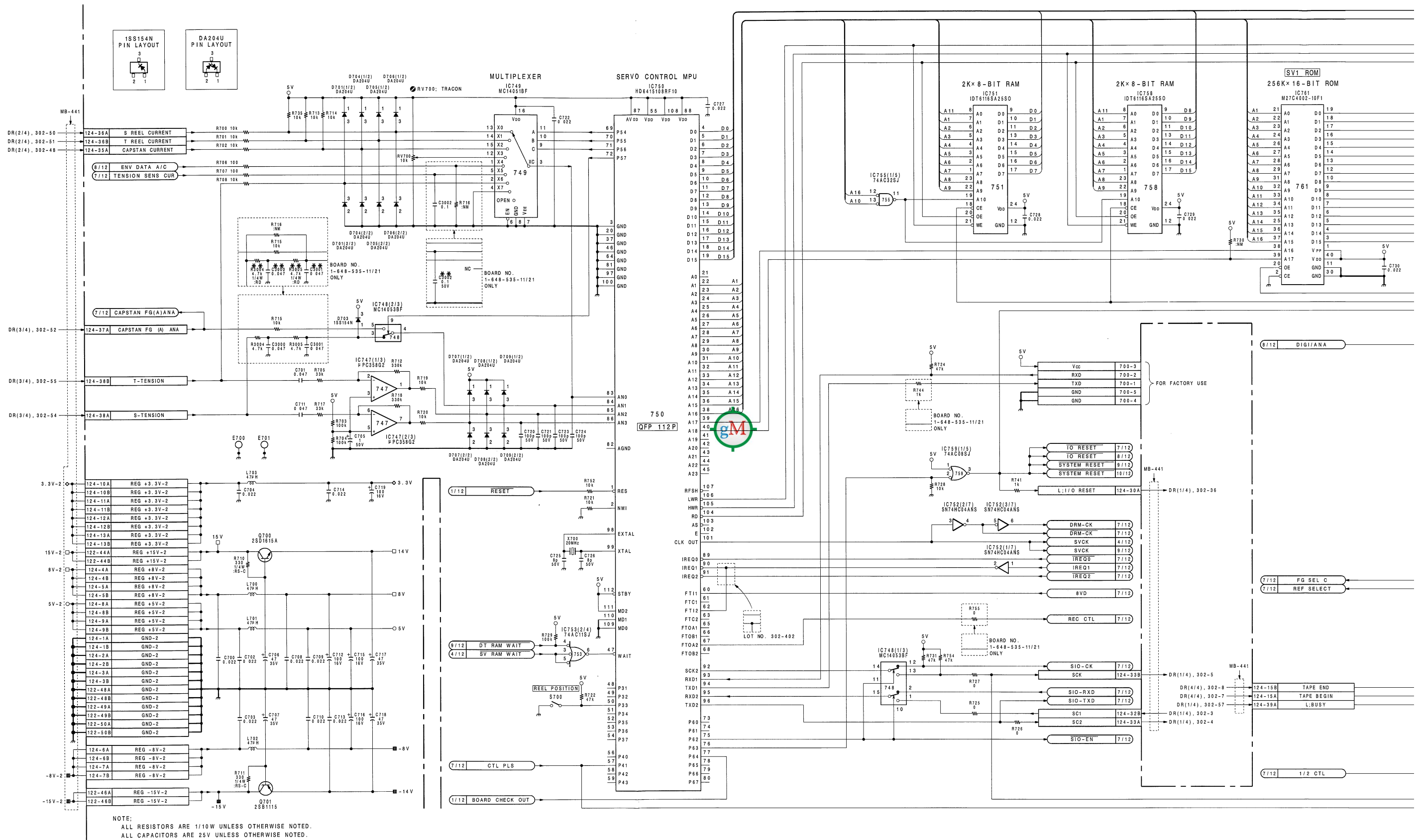
LOT NO.	SS-52A BOARD NO.	SS-52 BOARD NO.
302-305	1-648-535-11	1-648-535-21
306	1-648-535-11, 12	1-648-535-21, 22
307-410	1-648-535-12	1-648-535-22
411-508	1-648-535-13	1-648-535-23
509-510	1-648-535-13	1-648-535-24
511-	1-648-535-14	1-648-535-24

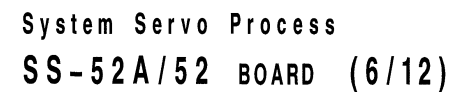


— LINE DRIVER/RECEIVER —

BOARD NO. 1-648-535-11, 12, 13, 14/21, 22, 23, 24
BOARD'S LOT NO. 302-
DVW-A500(J,UC) :SS-52A MCB
DVW-A500P(EK) :SS-52AP MCB
DVW-A500P(UC) :SS-52AP MCB
DVW-500 (J,UC) :SS-52 MCB
DVW-500P (EK) :SS-52P MCB
DVW-500P (UC) :SS-52P MCB

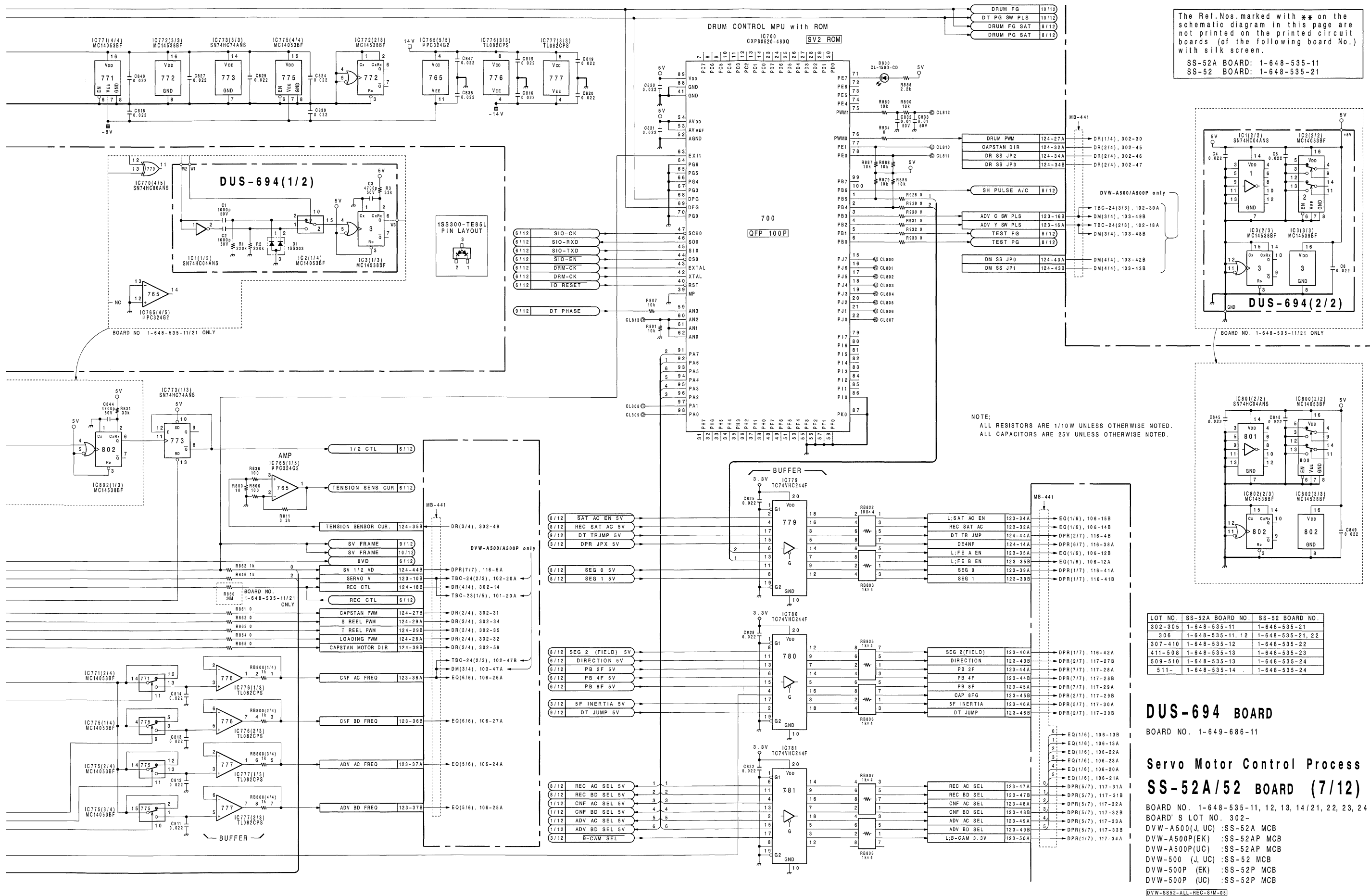
DVW-SS52-ALL-REC-S/M-05

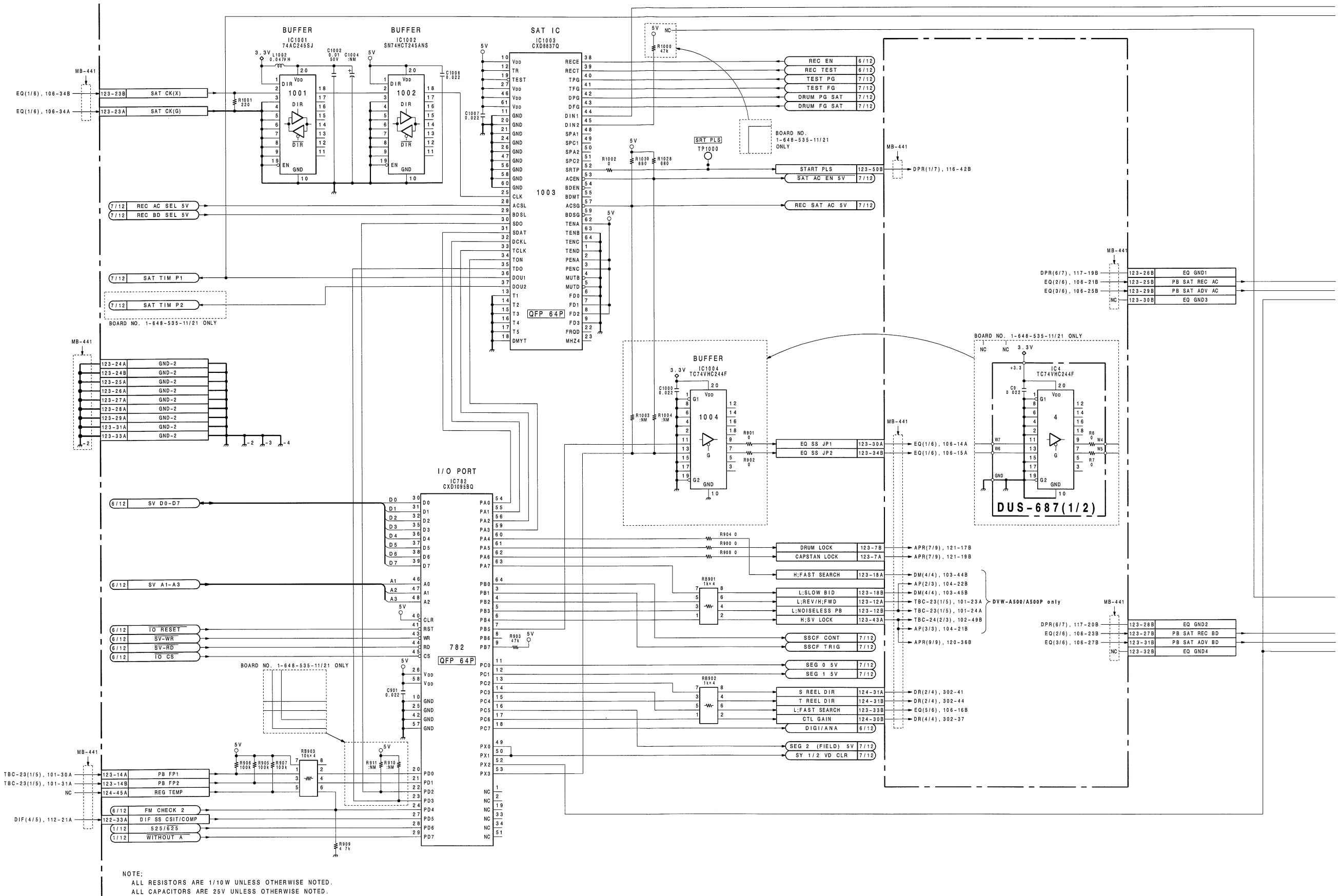


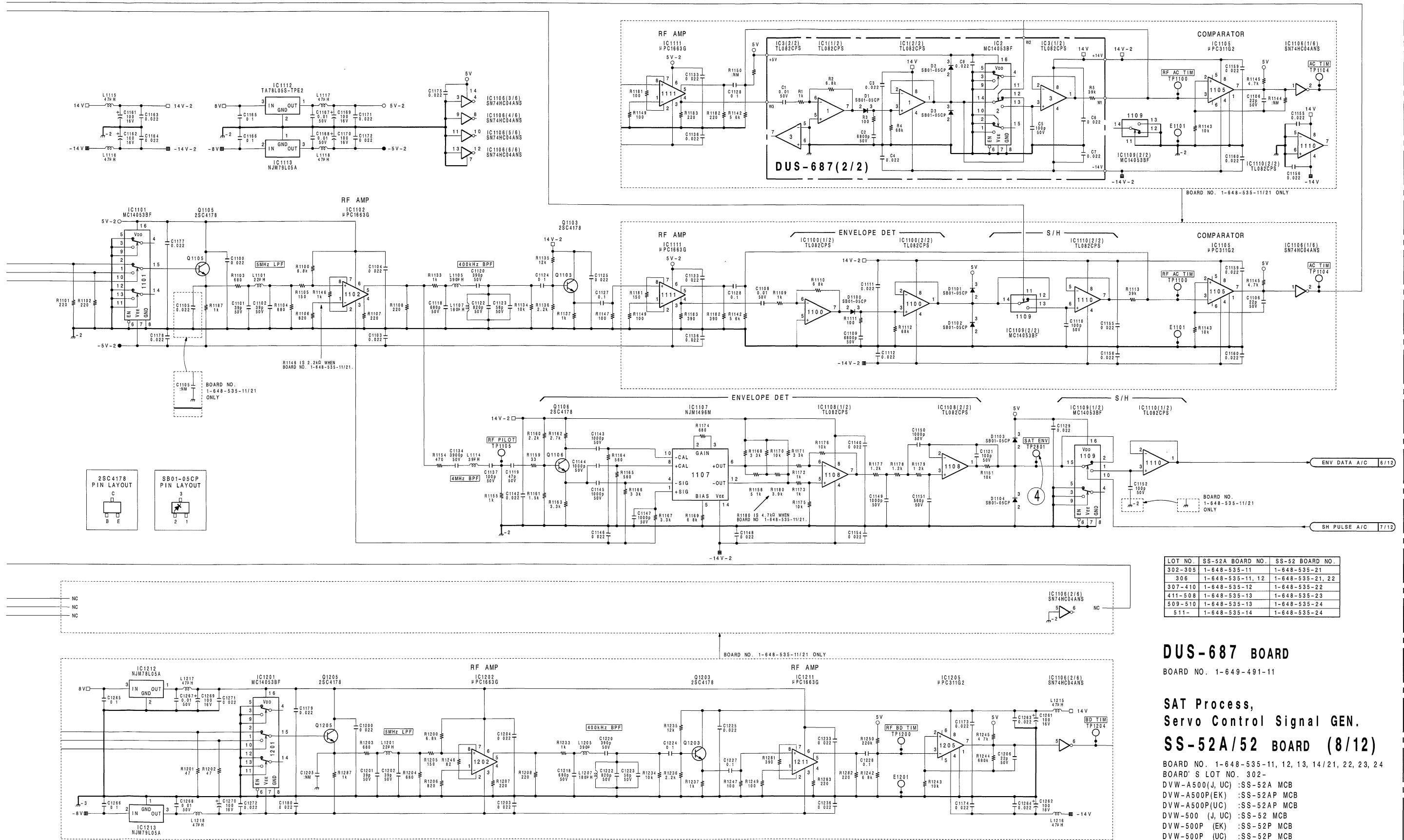


DVW-SS52-ALL-REC-S/M-05









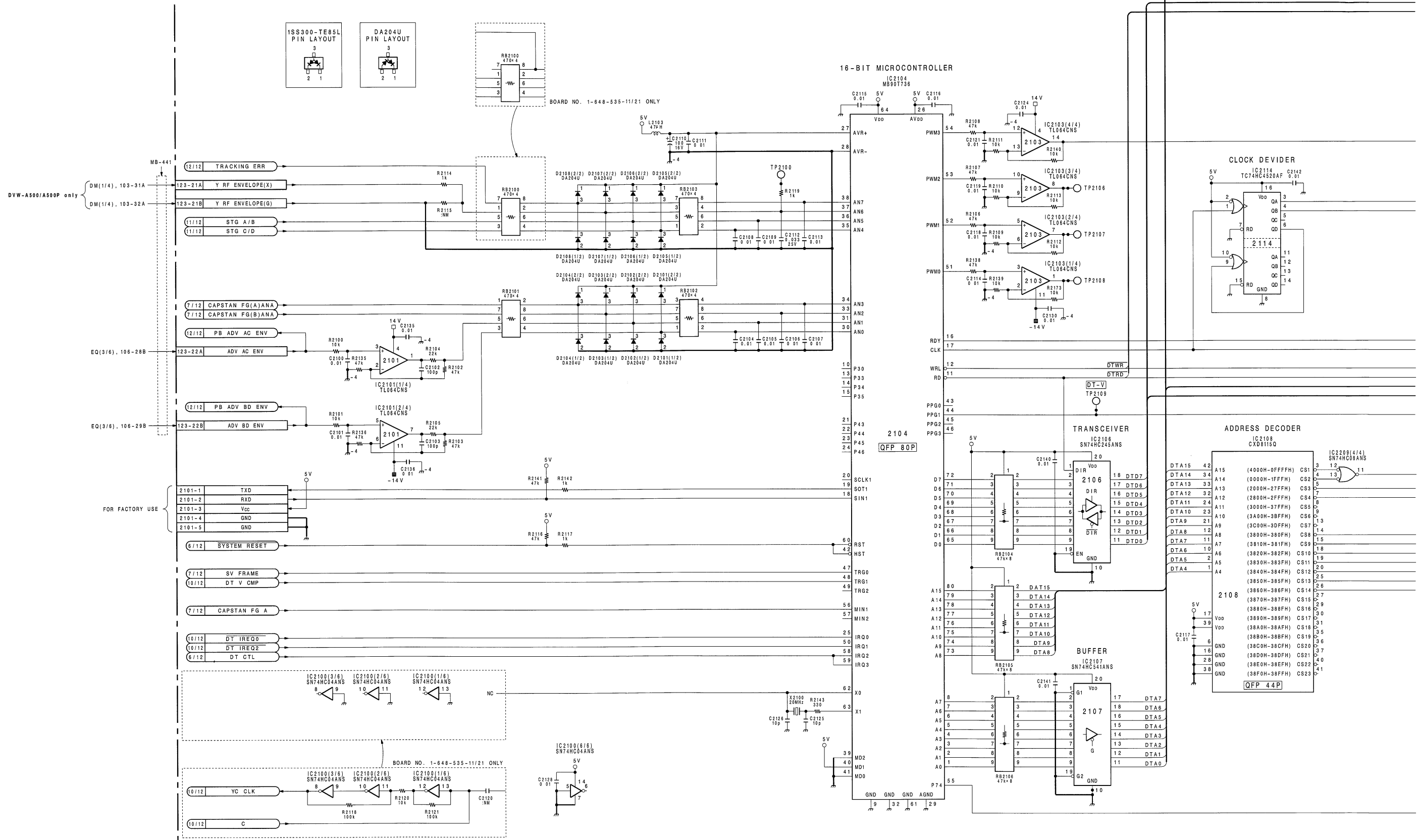
DUS-687 BOARD

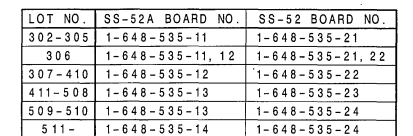
BOARD NO. 1-649-491-11

SAT Process, Servo Control Signal GEN. SS-52A/52 BOARD (8/12)

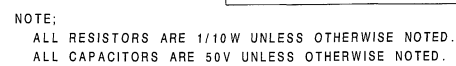
BOARD NO. 1-648-535-11, 12, 13, 14/21, 22, 23, 24
BOARD'S LOT NO. 302-
DVW-A500(J, UC) :SS-52A MCB
DVW-A500P(EK) :SS-52AP MCB
DVW-A500P(UC) :SS-52AP MCB
DVW-500 (J, UC) :SS-52 MCB
DVW-500P (EK) :SS-52P MCB
DVW-500P (UC) :SS-52P MCB

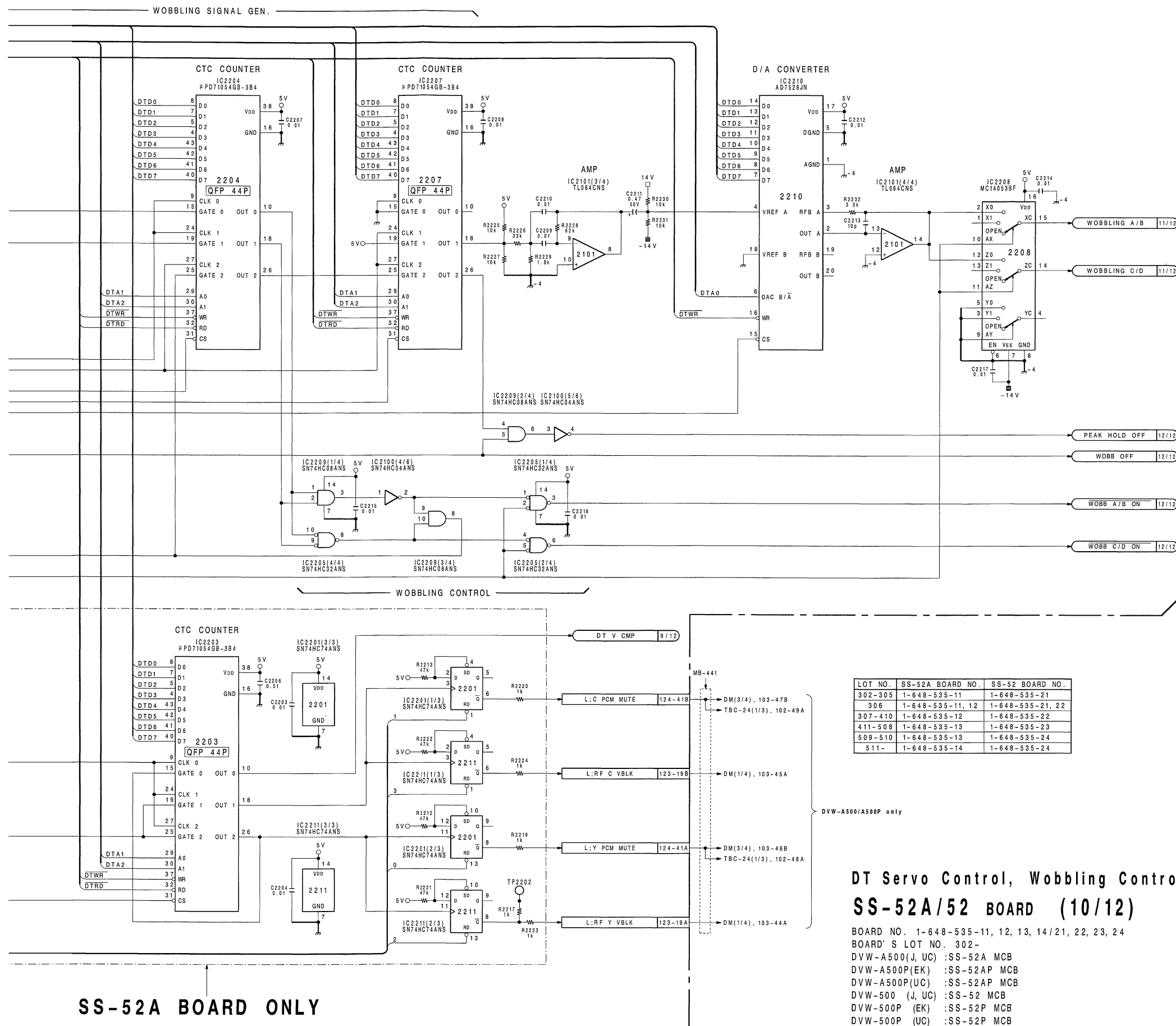
DVW-SS52-ALL-REC-S/M-03



DT Servo Process Control
SS-52A/52 BOARD (9/12)

BOARD NO. 1-648-535-11, 12, 13, 14/21, 22, 23, 24
BOARD' S LOT NO. 302-
DVW-A500(J, UC) :SS-52A MCB
DVW-A500P(EK) :SS-52AP MCB
DVW-A500P(UC) :SS-52AP MCB
DVW-500 (J, UC) :SS-52 MCB
DVW-500P (EK) :SS-52P MCB
DVW-500P (UC) :SS-52P MCB





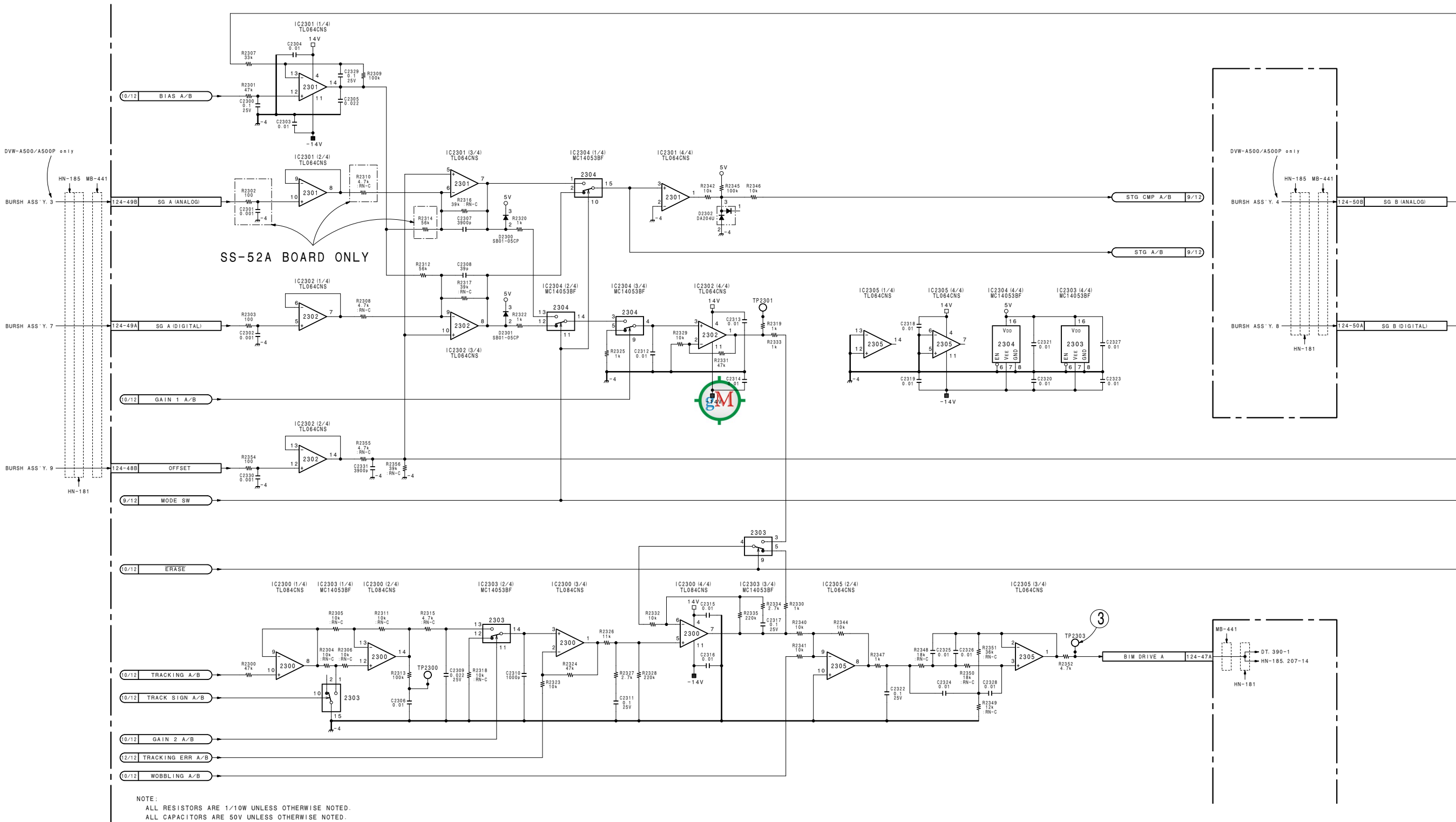
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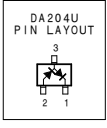
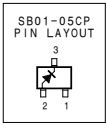
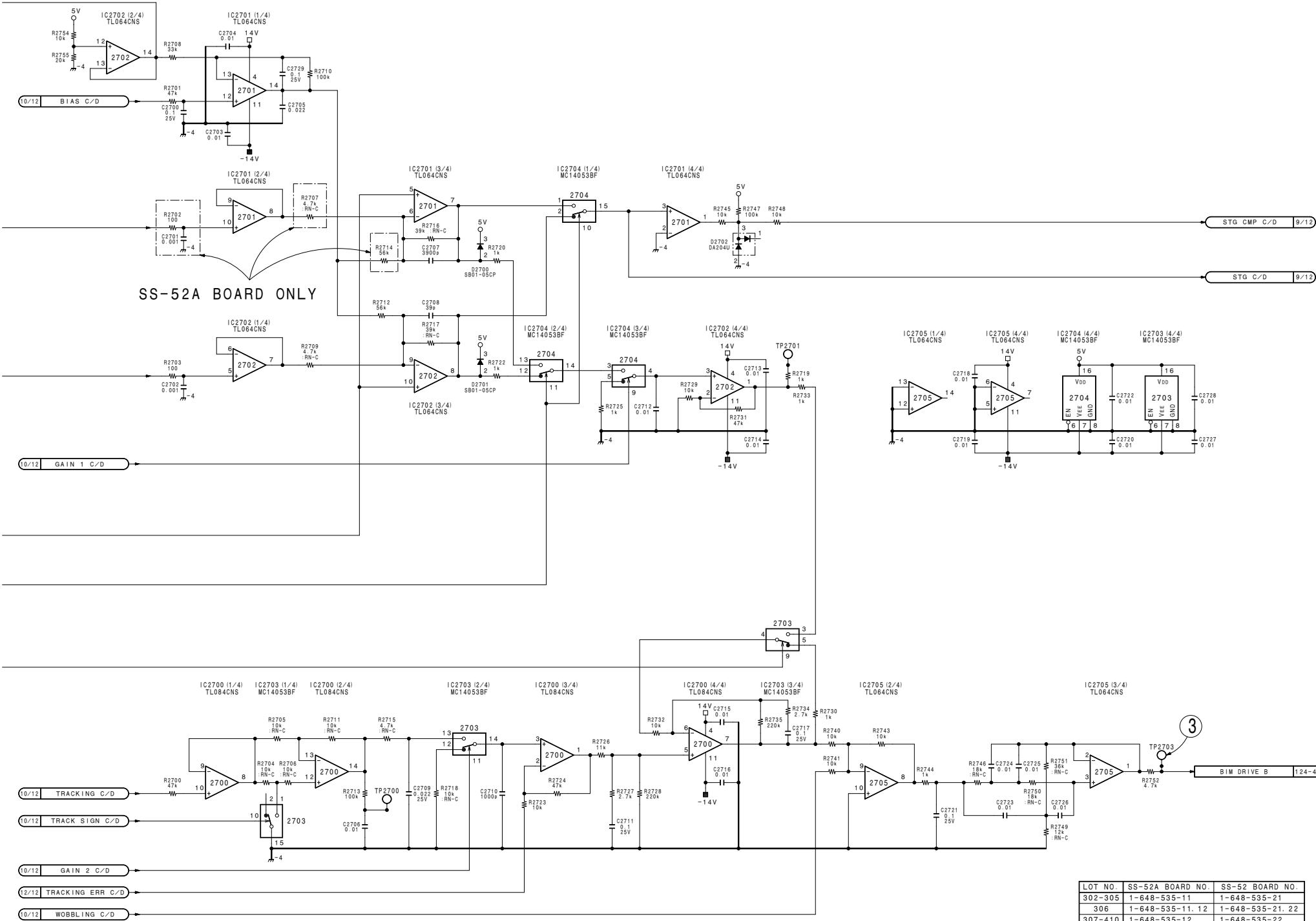
2

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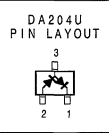




LOT NO.	SS-52A BOARD NO.	SS-52 BOARD NO.
302-305	1-648-535-11	1-648-535-21
306	1-648-535-11, 12	1-648-535-21, 22
307-410	1-648-535-12	1-648-535-22
411-508	1-648-535-13	1-648-535-23
509-510	1-648-535-13	1-648-535-24
511-	1-648-535-14	1-648-535-24

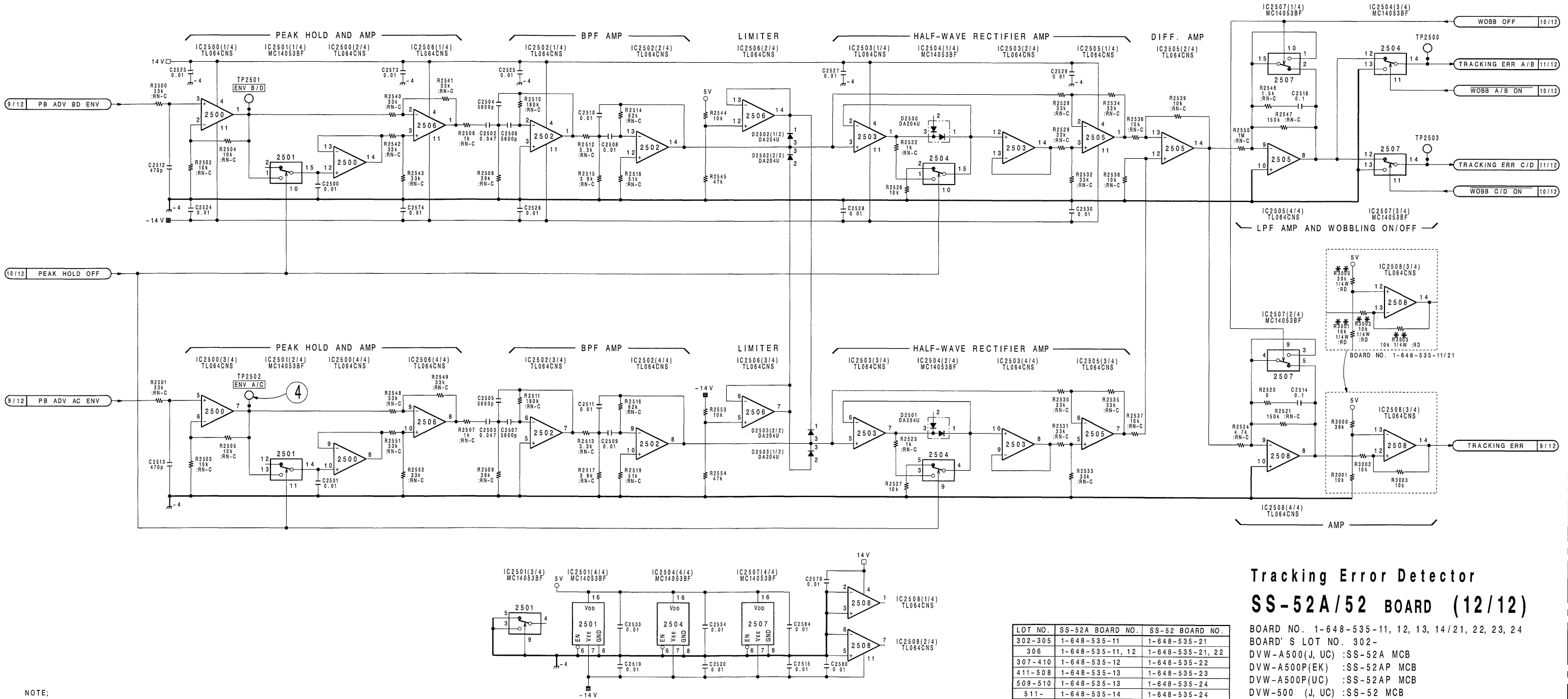
Audio/Video System Control
SS-52A/52 BOARD (11/12)

BOARD NO. 1-648-535-11, 12, 13, 14/21, 22, 23, 24
BOARD'S LOT NO. 302-
DVW-A500 (J, UC) : SS-52A MCB
DVW-A500P (EK) : SS-52AP MCB
DVW-A500P (UC) : SS-52AP MCB
DVW-500 (J, UC) : SS-52 MCB
DVW-500P (EK) : SS-52P MCB
DVW-500P (UC) : SS-52P MCB
DVW-SS52-ALL-REG-S/M-05



The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit boards (of the following board No.) with silk screen.

SS-52A BOARD: 1-648-535-11
SS-52 BOARD: 1-648-535-21



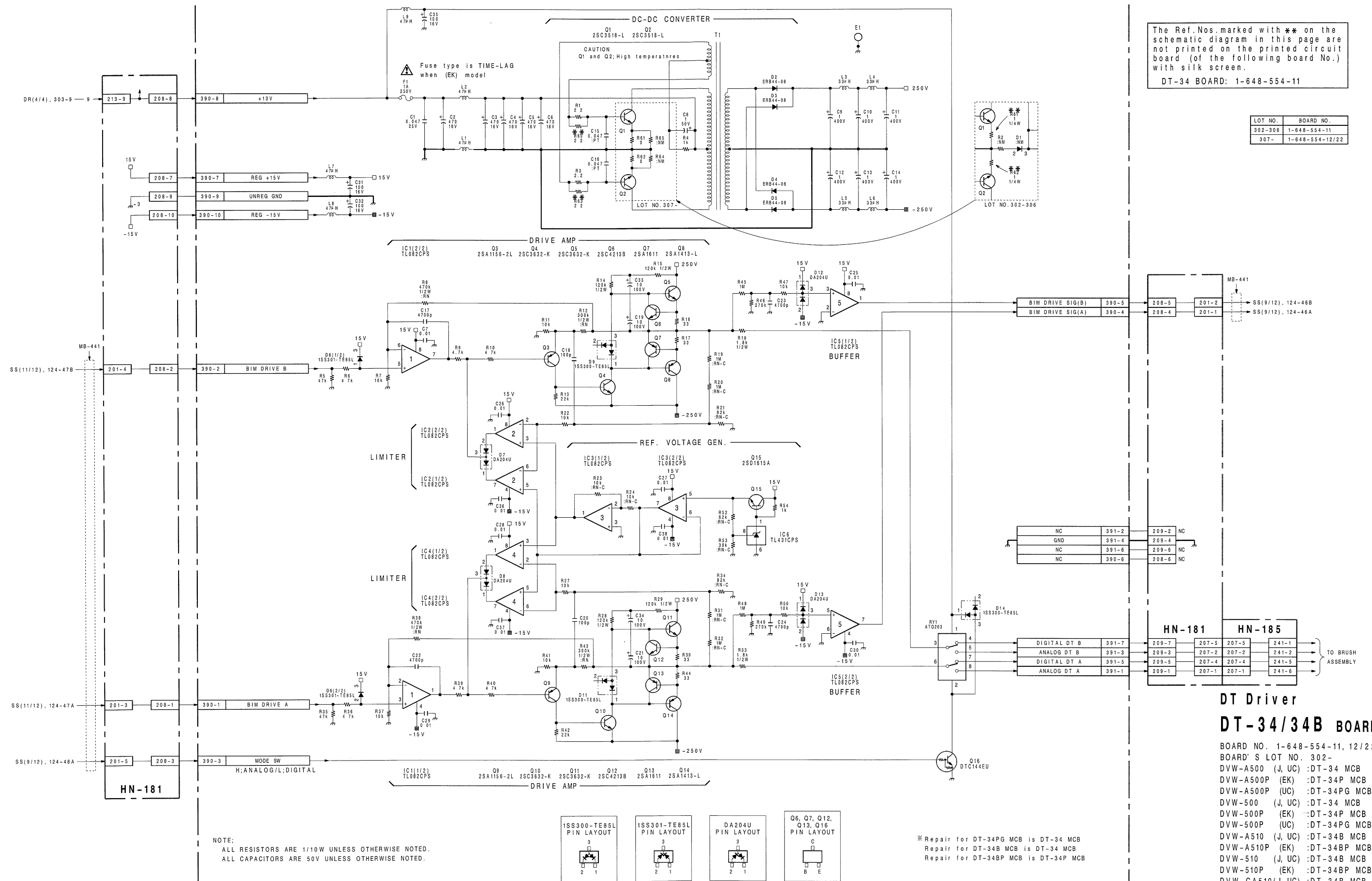
Tracking Error Detector
SS-52A/52 BOARD (12/12)

LOT NO.	SS-52A BOARD NO.	SS-52 BOARD NO.
302-305	1-648-535-11	1-648-535-21
306	1-648-535-11, 12	1-648-535-21, 22
307-410	1-648-535-12	1-648-535-22
411-508	1-648-535-13	1-648-535-23
509-510	1-648-535-13	1-648-535-24
511-	1-648-535-14	1-648-535-24

BOARD NO. 1-648-535-11, 12, 13, 14/21, 22, 23, 24
BOARD' S LOT NO. 302-
DVW-A500(J, UC) :SS-52A MCB
DVW-A500P(EK) :SS-52AP MCB
DVW-A500P(UC) :SS-52AP MCB
DVW-500 (J, UC) :SS-52 MCB
DVW-500P (EK) :SS-52P MCB
DVW-500P (UC) :SS-52P MCB

DVW-SS52-ALL-REC-S/M-05

NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.



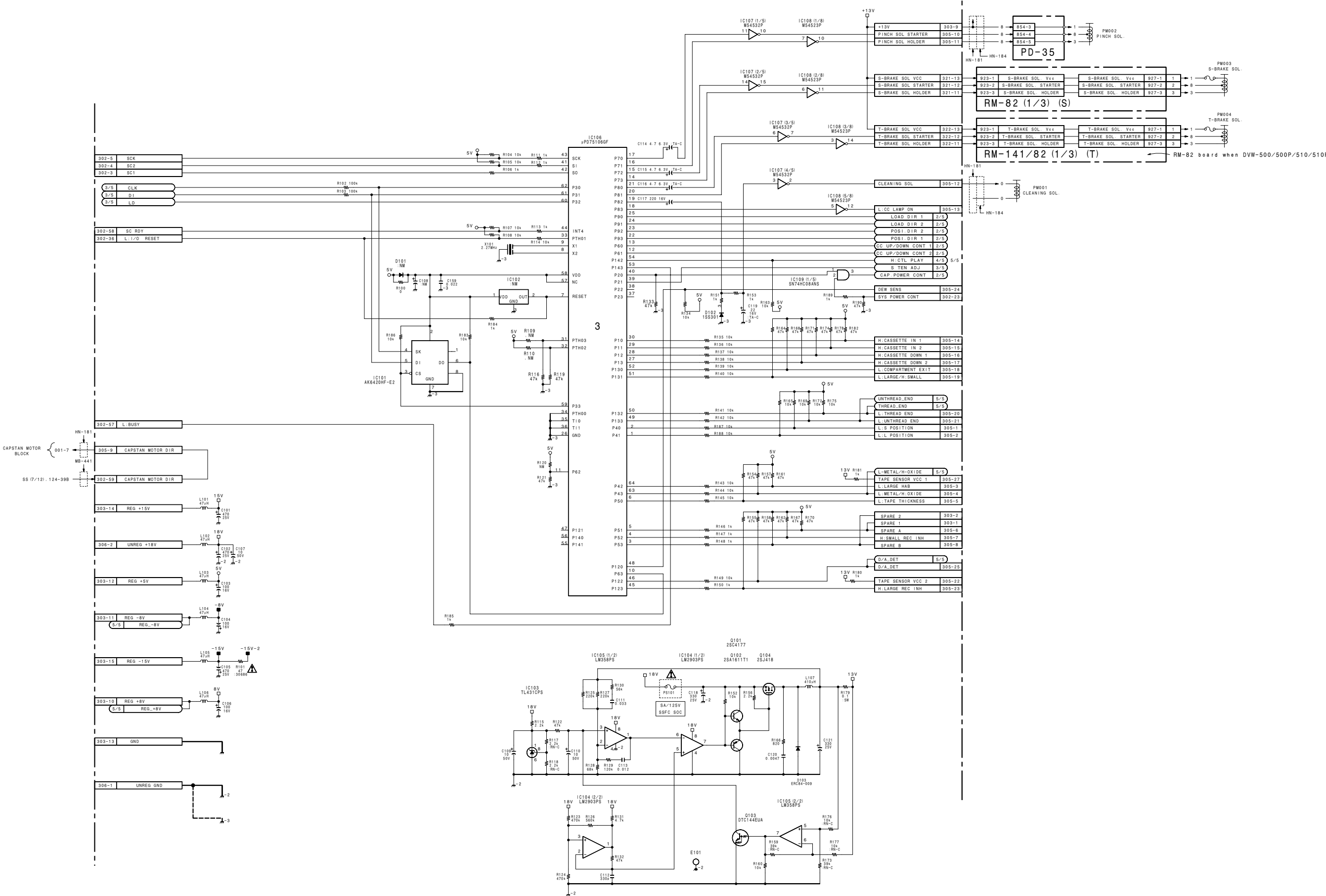
1

2

3

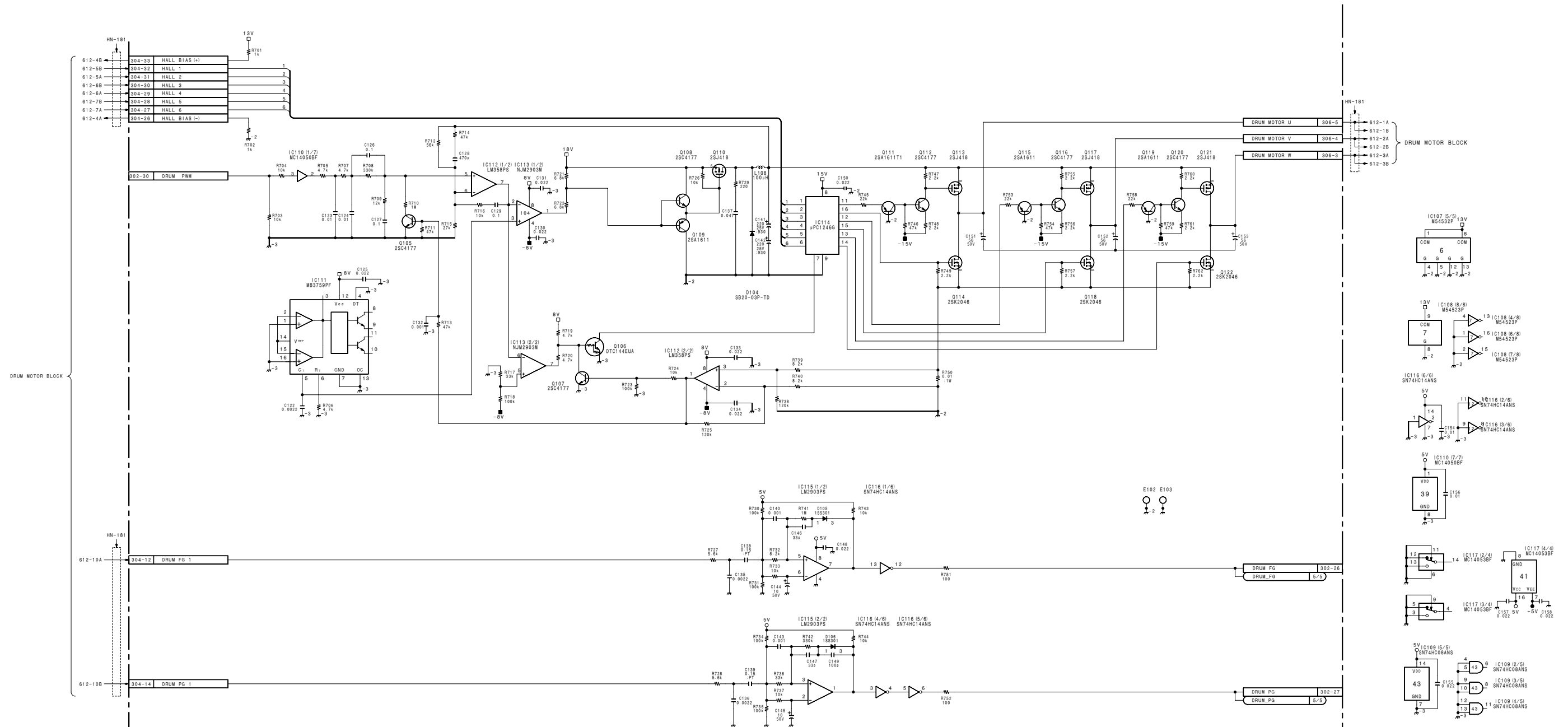
4

5



1-156 (b)

1-156 (b)



**Motors (Drum, Reel Capstan, etc) driver,
Solenoids driver
DR-307 BOARD (1/5)**

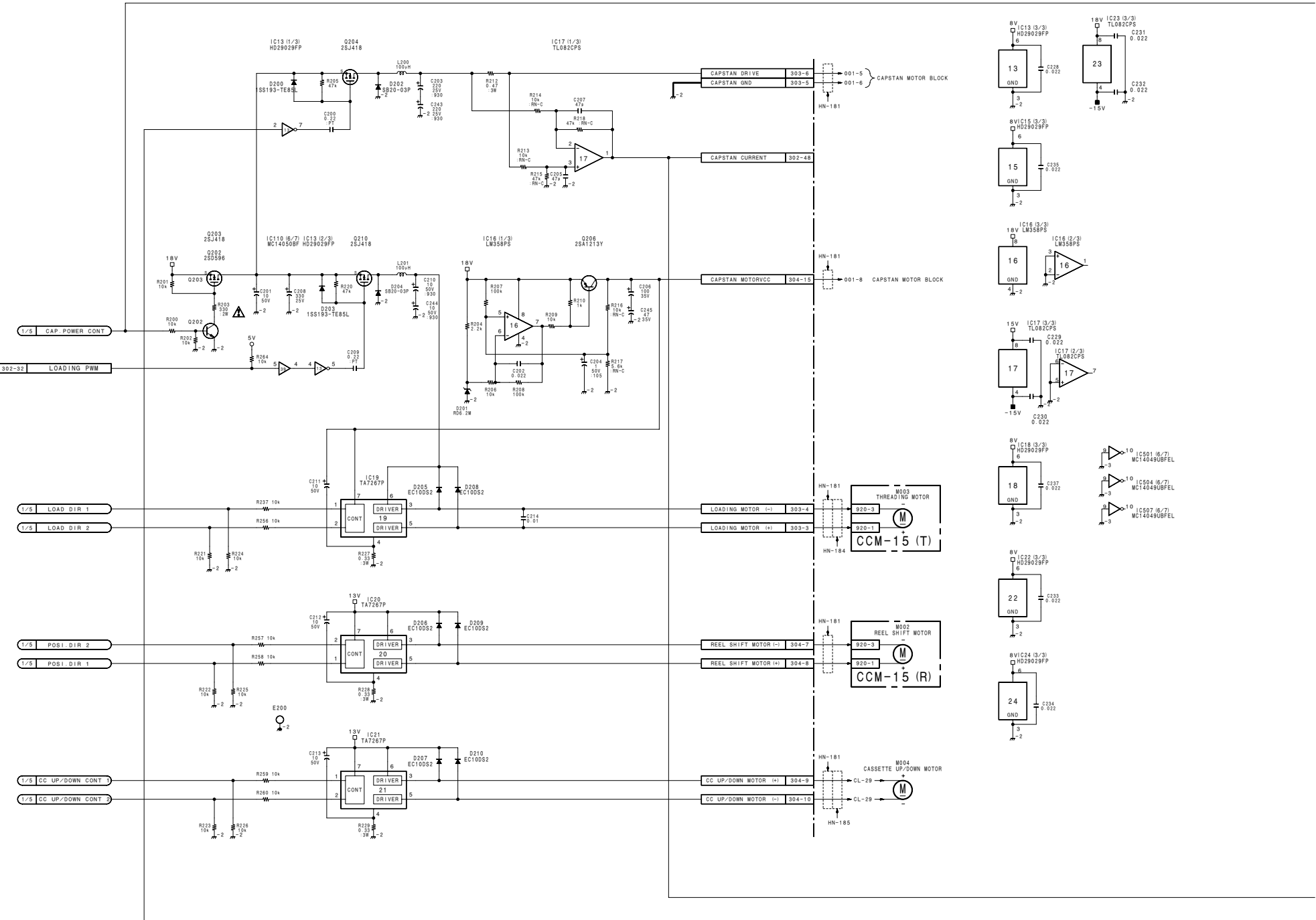
BOARD NO. 1-664-481-12
BOARD'S LOT NO. 912-
DVW-A500 (J, UC) : DR-307A MCB
DVW-A500P (EK) : DR-307A MCB
DVW-A500P (UC) : DR-307A MCB
DVW-500 (J, UC) : DR-307D MCB
DVW-500P (EK) : DR-307D MCB
DVW-500P (UC) : DR-307D MCB
DVW-A510 (J, UC) : DR-307A MCB
DVW-A510P (EK) : DR-307A MCB
DVW-510 (J, UC) : DR-307D MCB
DVW-510P (EK) : DR-307D MCB
DVW-CA510 (J, UC) : DR-307A MCB
DVW-CA510P (EK) : DR-307A MCB

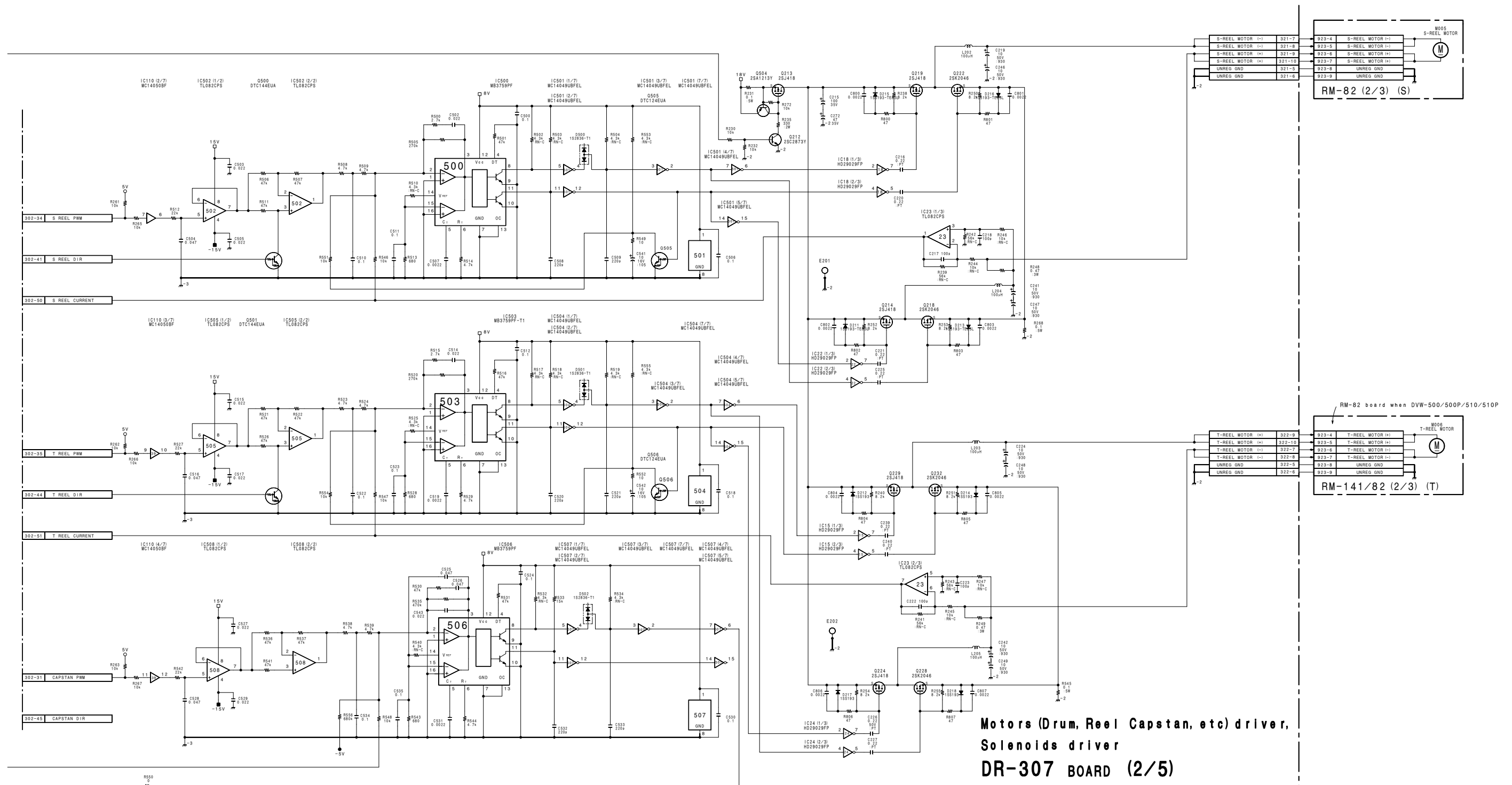
**S/T Brake Sol. Connection
RM-82 BOARD (1/3)**

BOARD NO. 1-640-166-13

**T Brake Sol. Connection
RM-141 BOARD (1/3)**

BOARD NO. 1-651-533-12





S/T Reel Motor
RM-82 BOARD (2/3)

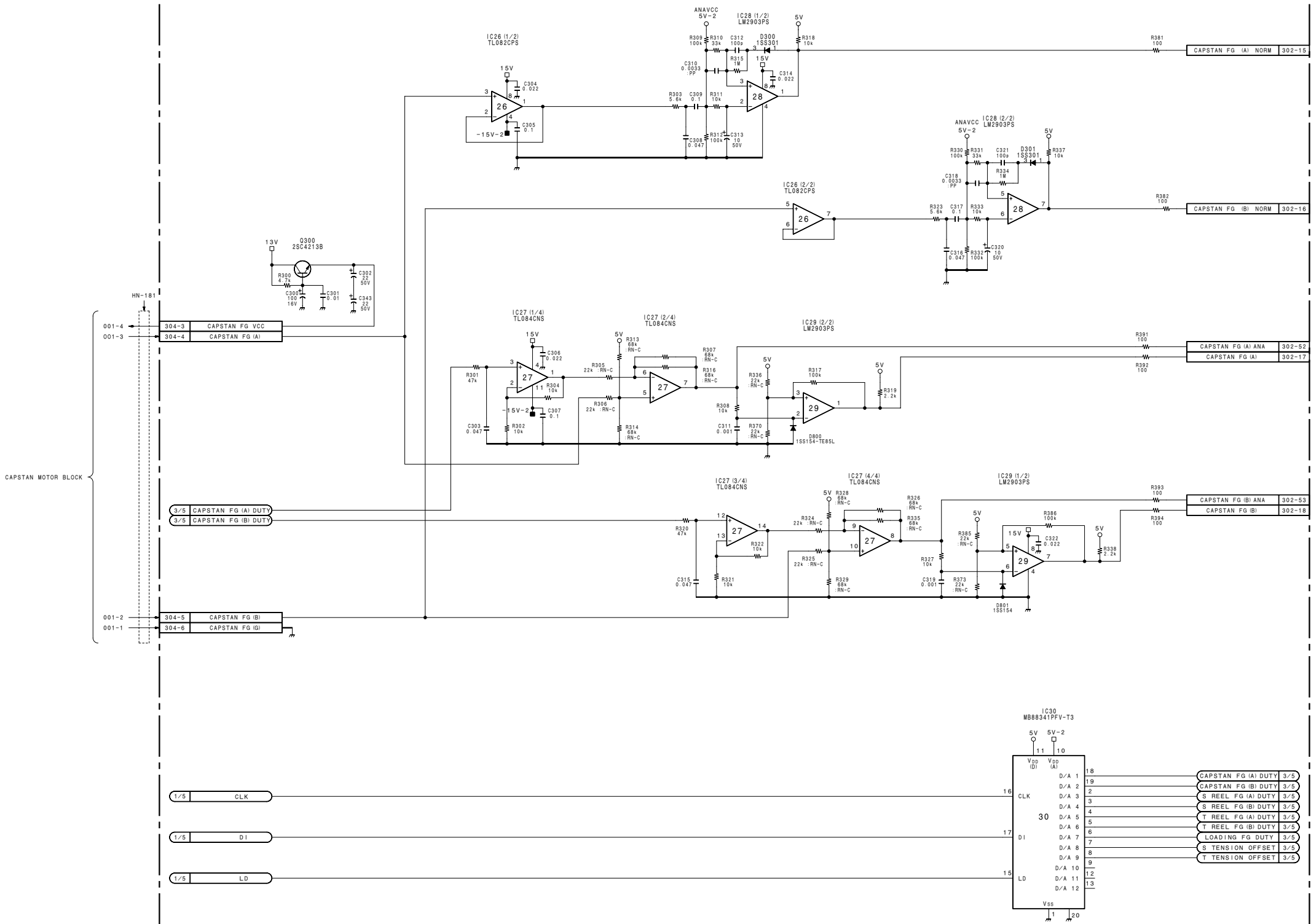
BOARD NO. 1-640-166-13

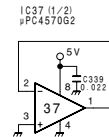
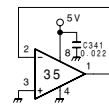
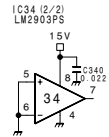
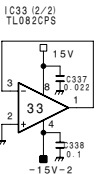
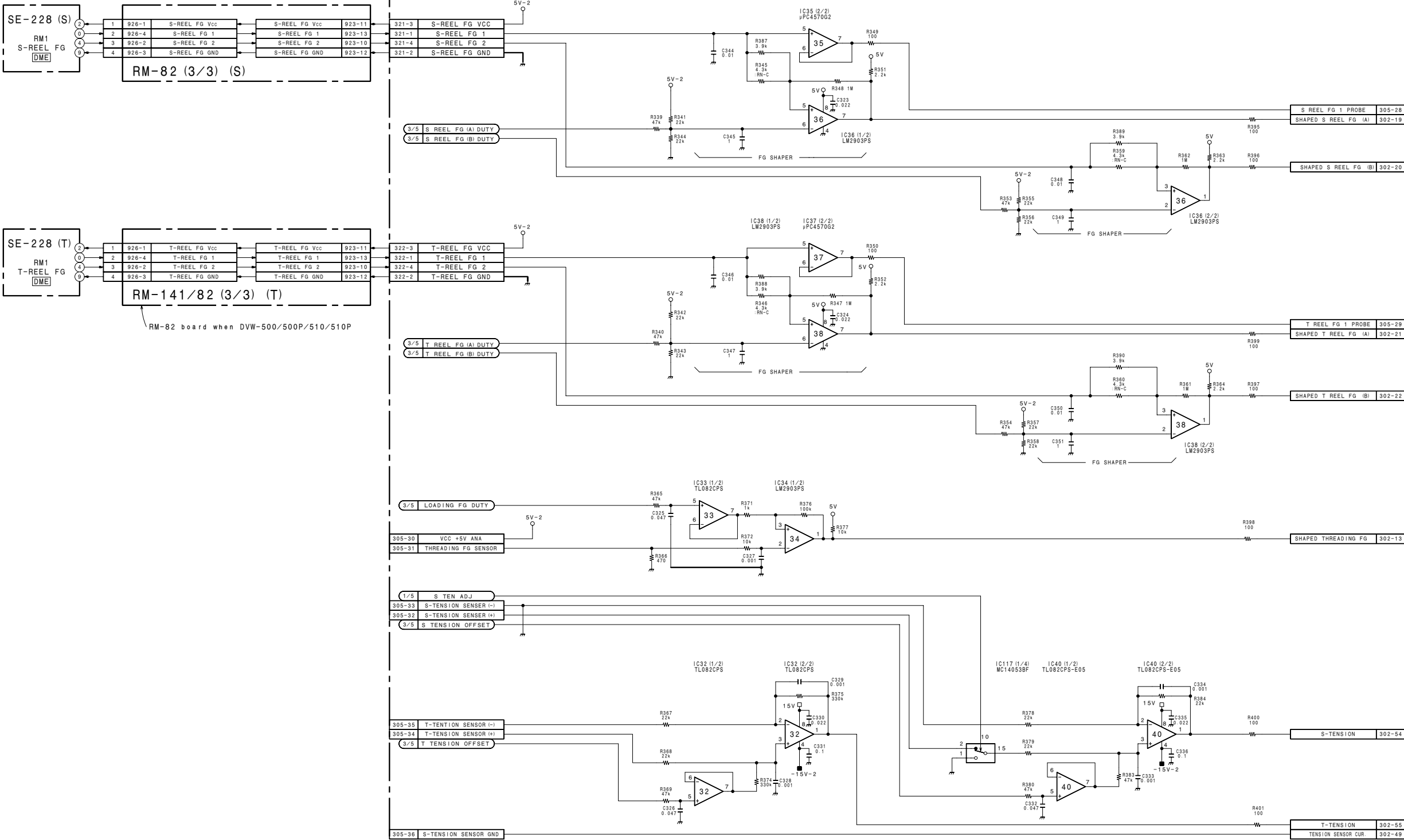
T Reel Motor
RM-141 BOARD (2/3)

BOARD NO. 1-651-533-12

BOARD NO. 1-664-481-12
 BOARD'S LOT NO. 912-

DVW-A500 (J. UC) : DR-307A MCB
 DVW-A500P (EK) : DR-307A MCB
 DVW-A500P (UC) : DR-307A MCB
 DVW-500 (J. UC) : DR-307D MCB
 DVW-500P (EK) : DR-307D MCB
 DVW-500P (UC) : DR-307D MCB
 DVW-A510 (J. UC) : DR-307A MCB
 DVW-A510P (EK) : DR-307A MCB
 DVW-510 (J. UC) : DR-307D MCB
 DVW-510P (EK) : DR-307D MCB
 DVW-CA510 (J. UC) : DR-307A MCB
 DVW-CA510P (EK) : DR-307A MCB





S/T Reel FG
SE-228 BOARD

BOARD NO. 1-649-617-11

S/T Reel FG Connection
RM-82 BOARD (3/3)

BOARD NO. 1-640-166-13

T Reel FG Connection
RM-141 BOARD (3/3)

BOARD NO. 1-651-533-12

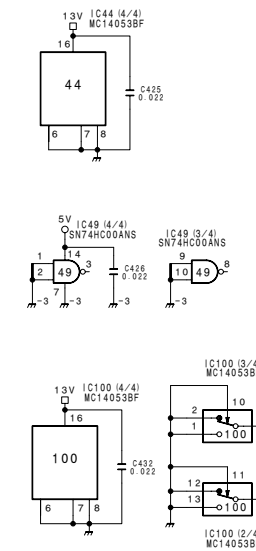
Motors (Drum, Reel Capstan,
etc) driver,
Solenoids driver

DR-307 BOARD (3/5)

BOARD NO. 1-664-481-12

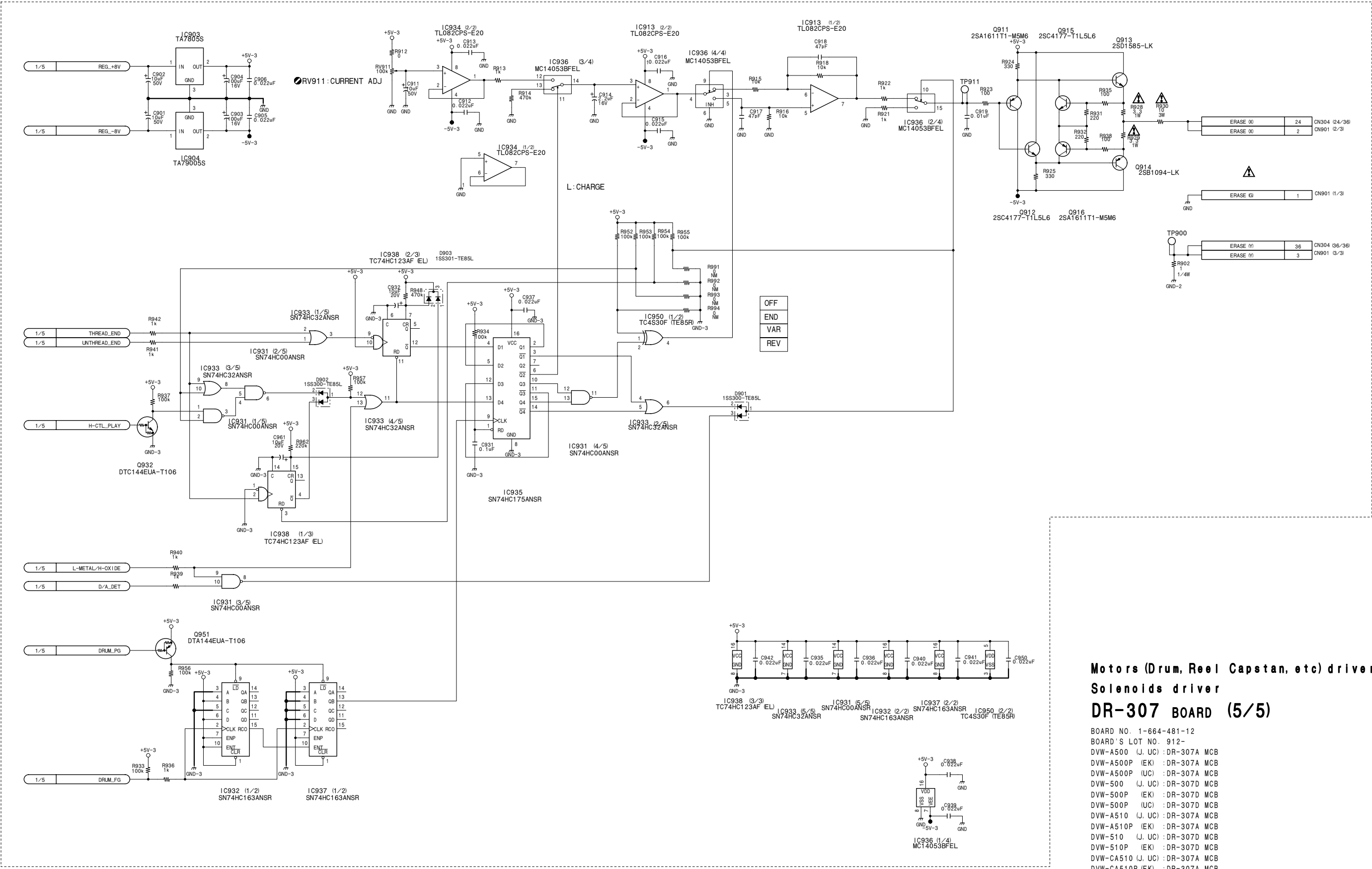
BOARD'S LOT NO. 912-

- DVW-A500 (J. UC) : DR-307A MCB
- DVW-A500P (EK) : DR-307A MCB
- DVW-A500P (UC) : DR-307A MCB
- DVW-500 (J. UC) : DR-307D MCB
- DVW-500P (EK) : DR-307D MCB
- DVW-500P (UC) : DR-307D MCB
- DVW-A510 (J. UC) : DR-307A MCB
- DVW-A510P (EK) : DR-307A MCB
- DVW-510 (J. UC) : DR-307D MCB
- DVW-510P (EK) : DR-307D MCB
- DVW-CA510 (J. UC) : DR-307A MCB
- DVW-CA510P (EK) : DR-307A MCB



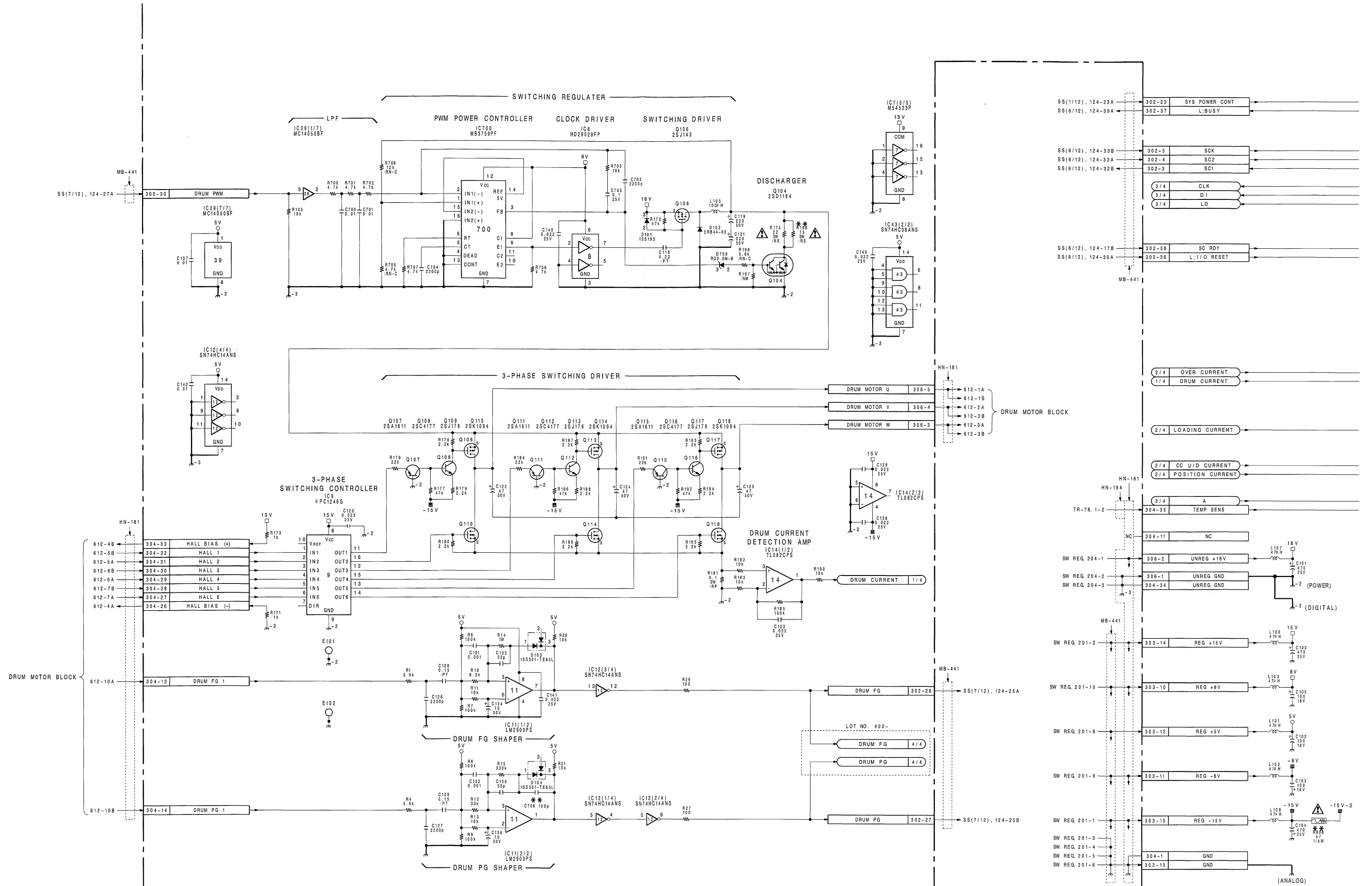
BOARD NO. 1-664-481-12
BOARD'S LOT NO. 912-
DVW-A500 (J, UC) : DR-307A MCB
DVW-A500P (EK) : DR-307A MCB
DVW-A500P (UC) : DR-307A MCB
DVW-500 (J, UC) : DR-307D MCB
DVW-500P (EK) : DR-307D MCB
DVW-500P (UC) : DR-307D MCB
DVW-A510 (J, UC) : DR-307A MCB
DVW-A510P (EK) : DR-307A MCB
DVW-510 (J, UC) : DR-307D MCB
DVW-510P (EK) : DR-307D MCB
DVW-CA510 (J, UC) : DR-307A MCB
DVW-CA510P (EK) : DR-307A MCB

DR-307A MCB ONLY
(DR-307D NO MOUNTED)



Motors (Drum, Reel Capstan, etc) driver,
Solenoids driver
DR-307 BOARD (5/5)

BOARD NO. 1-664-481-12
BOARD'S LOT NO. 912-
DVW-A500 (J. UC) : DR-307A MCB
DVW-A500P (EK) : DR-307A MCB
DVW-A500P (UC) : DR-307A MCB
DVW-500 (J. UC) : DR-307D MCB
DVW-500P (EK) : DR-307D MCB
DVW-500P (UC) : DR-307D MCB
DVW-A510 (J. UC) : DR-307A MCB
DVW-A510P (EK) : DR-307A MCB
DVW-510 (J. UC) : DR-307D MCB
DVW-510P (EK) : DR-307D MCB
DVW-CA510 (J. UC) : DR-307A MCB
DVW-CA510P (EK) : DR-307A MCB

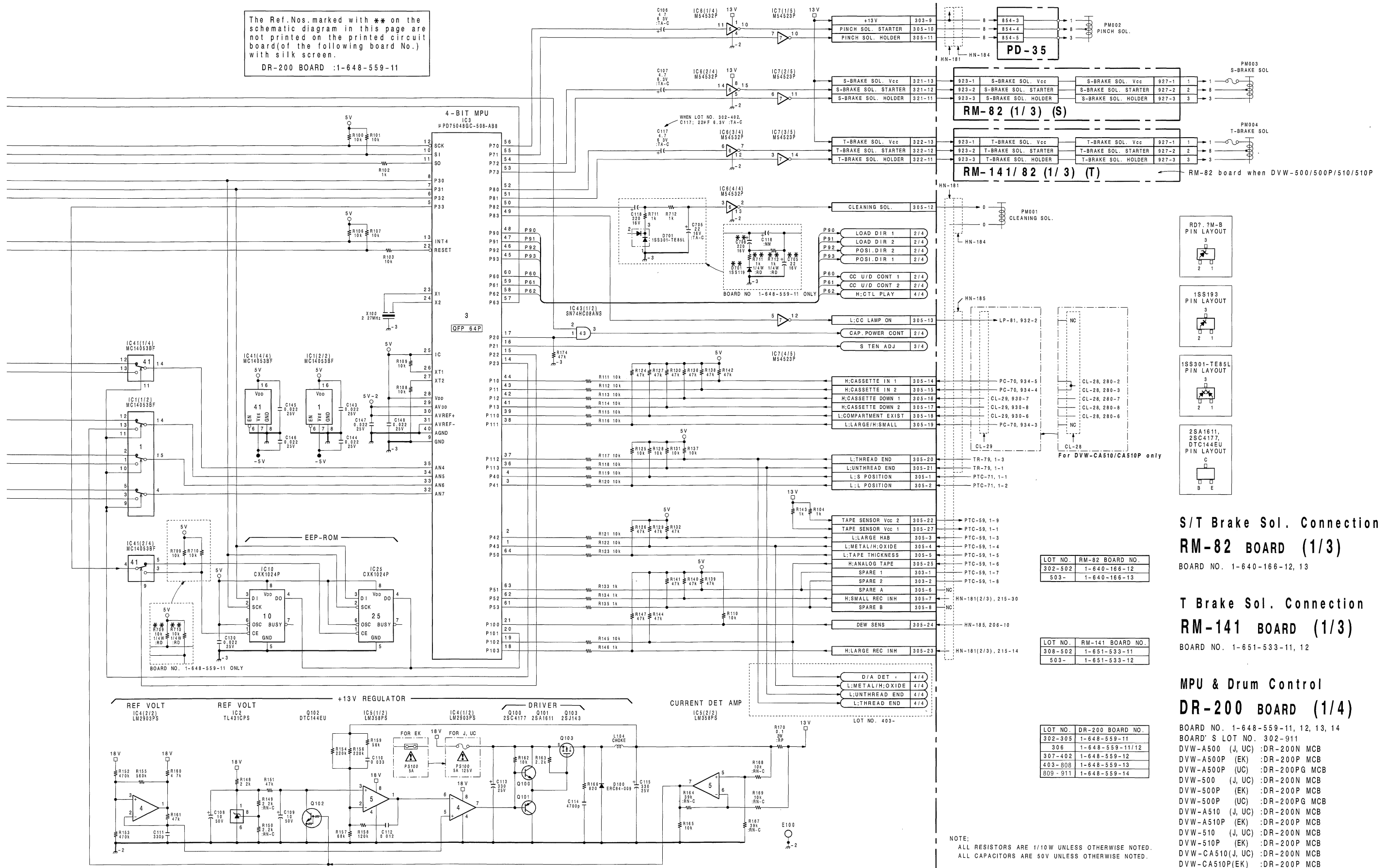


1-156 (a)

1-156 (a)

The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit board(of the following board No.) with silk screen.

DR-200 BOARD :1-648-559-11



S/T Brake Sol. Connection
RM-82 BOARD (1/3)

BOARD NO. 1-640-166-12, 13

T Brake Sol. Connection
RM-141 BOARD (1/3)

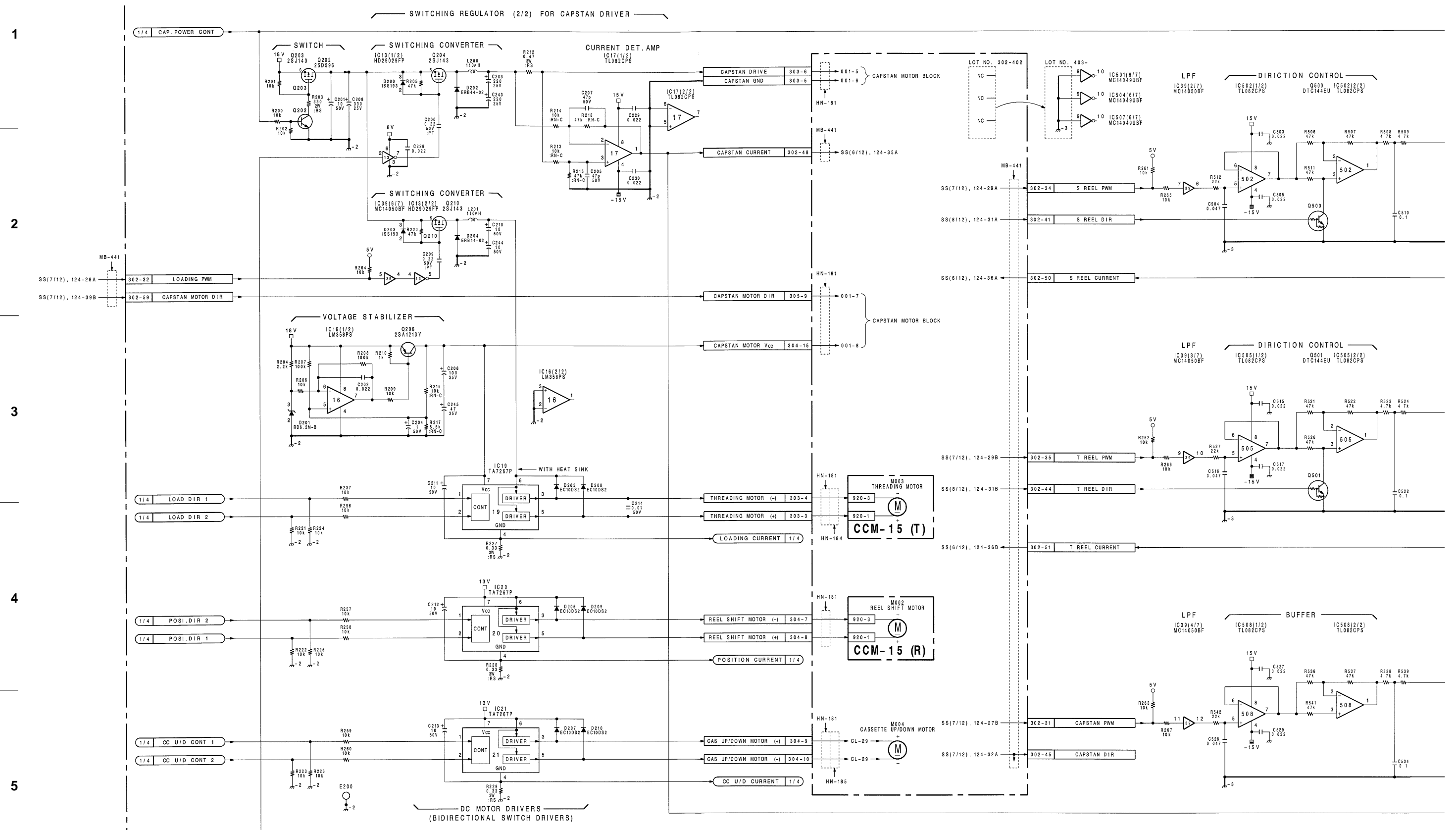
BOARD NO. 1-651-533-11, 12

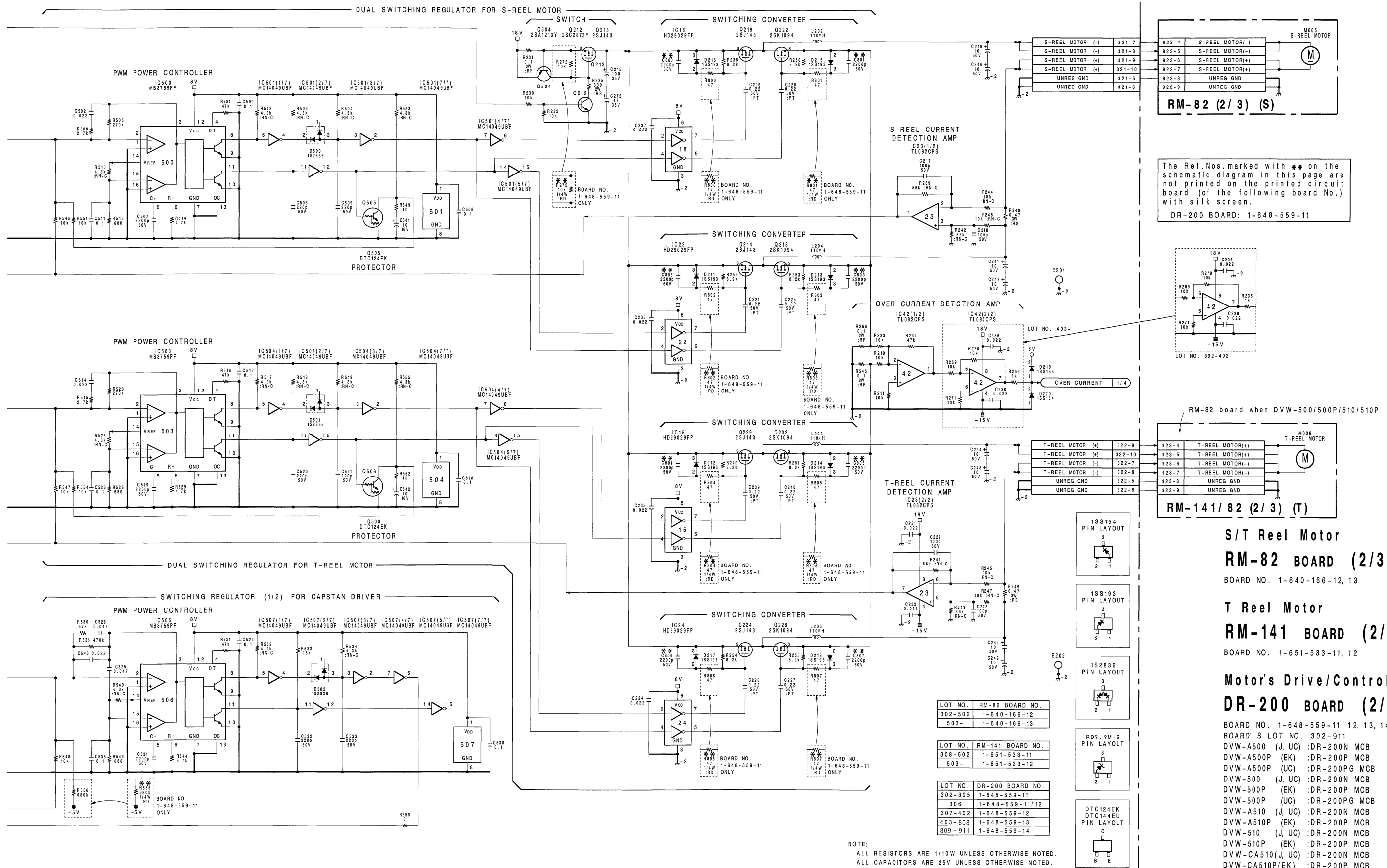
MPU & Drum Control
DR-200 BOARD (1/4)

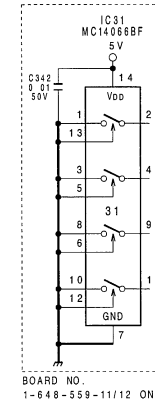
BOARD NO. 1-648-559-11, 12, 13, 14

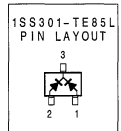
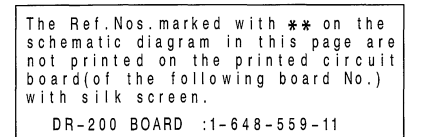
BOARD'S LOT NO.	302-911
DVW-A500 (J, UC)	:DR-200N MCB
DVW-A500P (EK)	:DR-200P MCB
DVW-A500P (UC)	:DR-200PG MCB
DVW-500 (J, UC)	:DR-200N MCB
DVW-500P (EK)	:DR-200P MCB
DVW-500P (UC)	:DR-200PG MCB
DVW-A510 (J, UC)	:DR-200N MCB
DVW-A510P (EK)	:DR-200P MCB
DVW-510 (J, UC)	:DR-200N MCB
DVW-510P (EK)	:DR-200P MCB
DVW-CA510 (J, UC)	:DR-200N MCB
DVW-CA510P(EK)	:DR-200P MCB

DVW-DR200-ALL-ALL-S/M-06









BOARD NO. 1-649-617-11

BOARD NO. 1-640-166-12, 13

LOT NO.	RM-141 BOARD NO.
308-502	1-651-533-11
503-	1-651-533-12

BOARD NO. 1-651-533-11, 12

LOT NO.	RM-141 BOARD NO.
308-502	1-651-533-11
503-	1-651-533-12

BOARD NO. 1-648-559-11, 12, 13, 14

BOARD' S LOT NO. 302-911

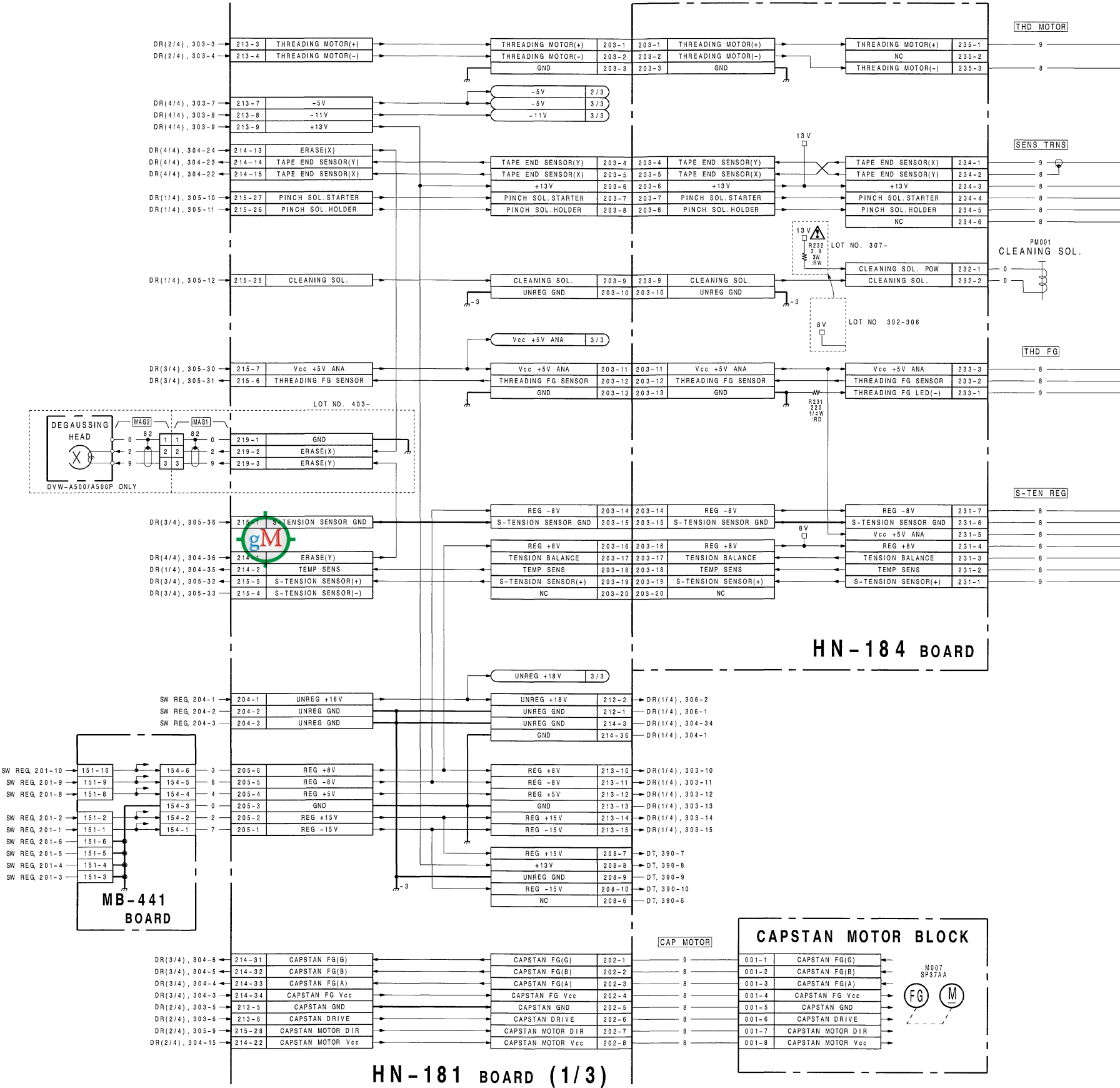
LOT NO.	DR-200 BOARD NO.
302-305	1-648-559-11
306	1-648-559-11/12
307-402	1-648-559-12
403-808	1-648-559-13
809 - 911	1-648-559-14

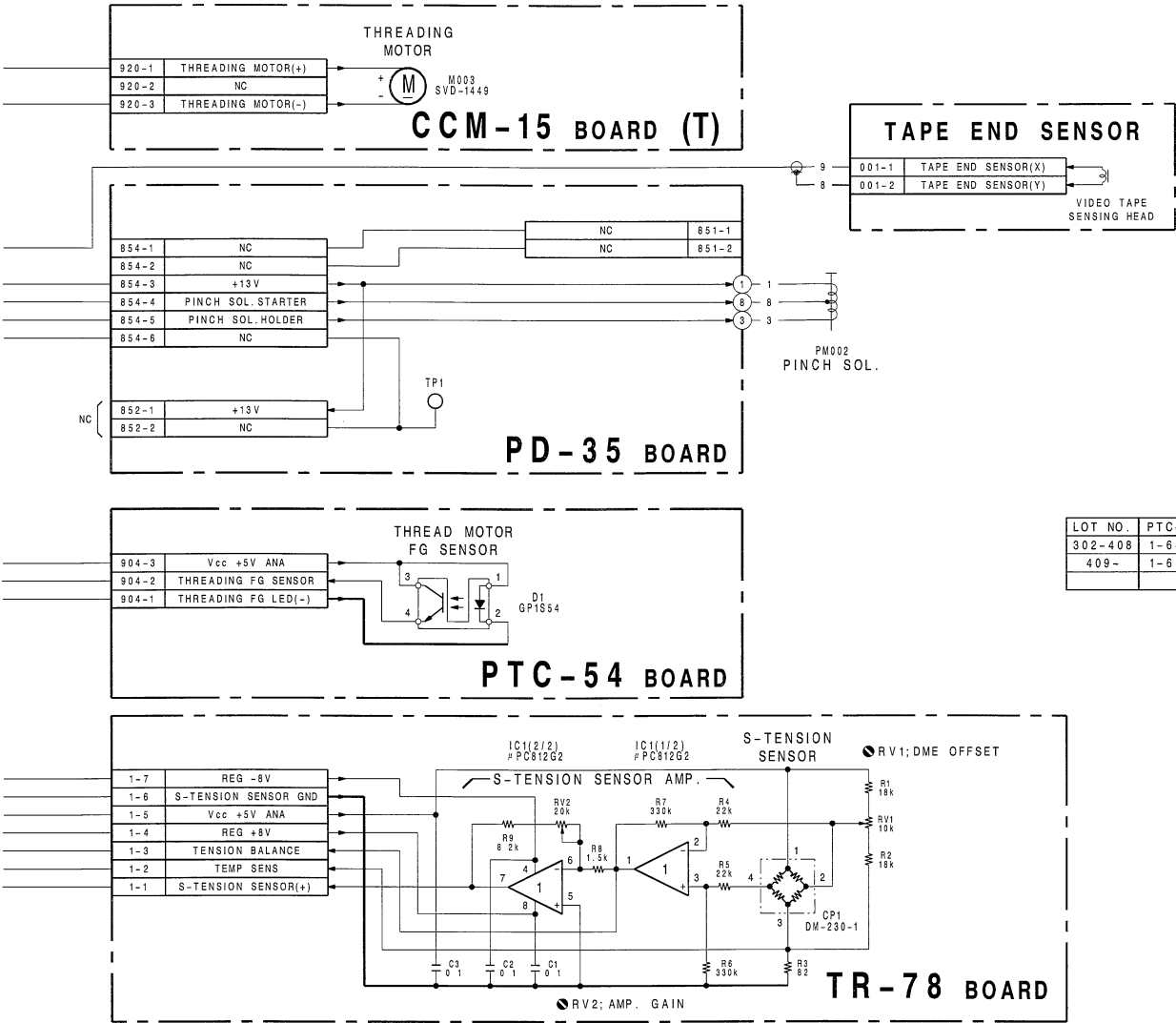
DVW-A500	(J, UC)	:DR-200N	MCB
DVW-A500P	(EK)	:DR-200P	MCB
DVW-A500P	(J, UC)	:DR-200PG	MCB
DVW-500	(J, UC)	:DR-200N	MCB
DVW-500P	(EK)	:DR-200P	MCB
DVW-500P	(UC)	:DR-200PG	MCB
DVW-A510	(J, UC)	:DR-200N	MCB
DVW-A510P	(EK)	:DR-200P	MCB
DVW-510	(J, UC)	:DR-200N	MCB
DVW-510P	(EK)	:DR-200P	MCB
DVW-CA510	(J, UC)	:DR-200N	MCB
DVW-CA510P	(EK)	:DR-200P	MCB

DYW-DR200-ALL-ALL-S/M-06

NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.







LOT NO.	PTC-54 BOARD NO.
302-408	1-640-163-11
409-	1-640-163-12

LOT NO.	BOARD NO.	
	HN-181	HN-184
302-306	1-648-561-11	1-648-562-11
307-402	1-648-561-12	1-648-562-12
403-	1-648-561-13	1-648-562-13

S-Tension Sensor

TR-78 BOARD

BOARD NO. 1-648-564-11
ALL DVWs :TR-78 MCB

Threading FG

PTC-54 BOARD

BOARD NO. 1-640-163-11, 12
ALL DVWs :PTC-54 MCB

Pinch Solenoid Connection

PD-35 BOARD

BOARD NO. 1-622-596-11
ALL DVWs

Threading Motor

CCM-15 BOARD (T)

BOARD NO. 1-648-570-11
ALL DVWs

Connection Board

HN-184 BOARD

BOARD NO. 1-648-562-11, 12, 13
BOARD' S LOT NO. 302-
ALL DVWs :HN-184 MCB

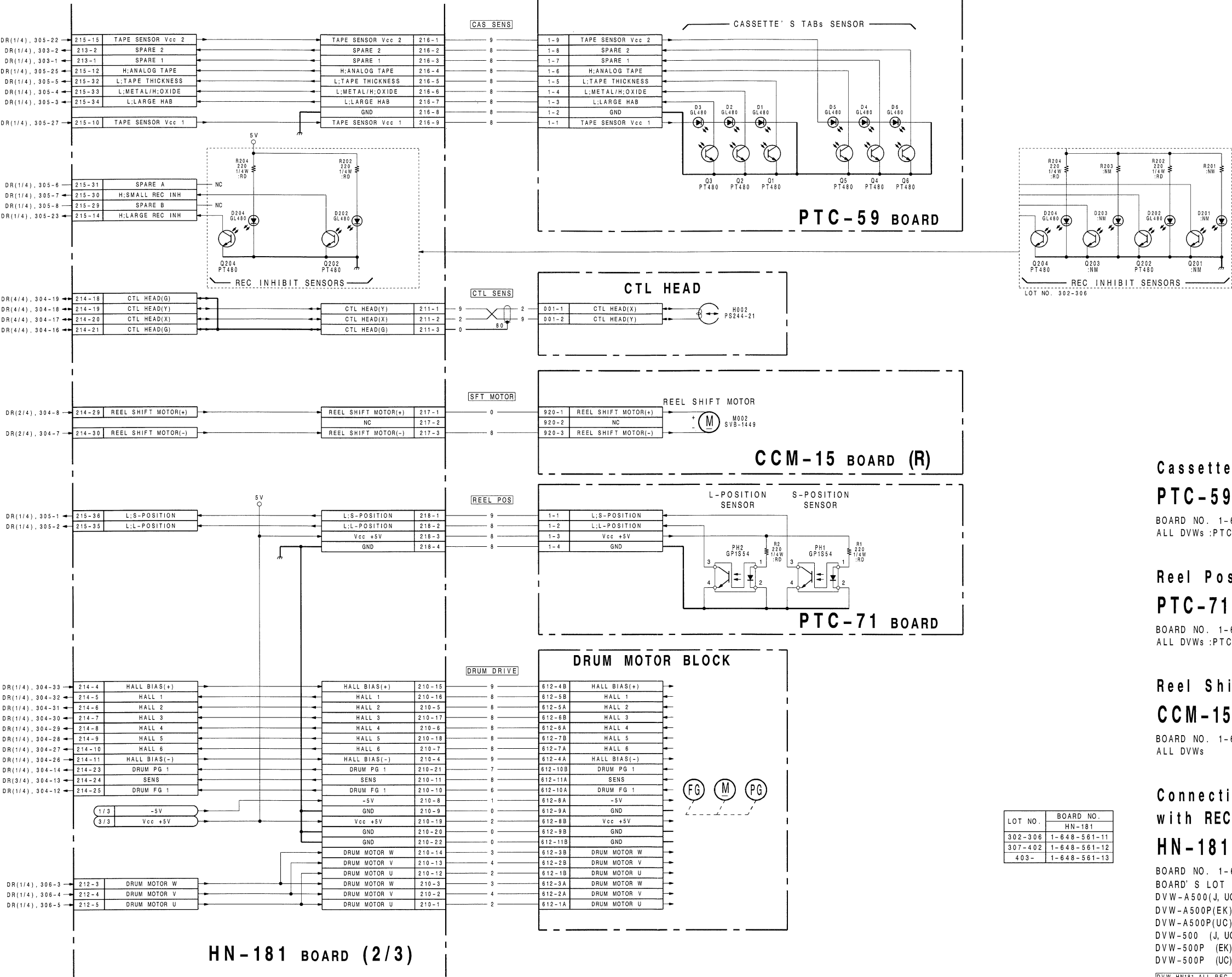
Connection

HN-181 BOARD (1/3)

BOARD NO. 1-648-561-11, 12, 13
BOARD' S LOT NO. 302-
DVW-A500 (J, UC) :HN-181 MCB
DVW-A500P (EK) :HN-181 MCB
DVW-A500P (UC) :HN-181 MCB
DVW-500 (J, UC) :HN-181 MCB
DVW-500P(EK, UC) :HN-181 MCB
DVW-A510 (J, UC) :HN-181B MCB
DVW-A510P (EK) :HN-181B MCB
DVW-510 (J, UC) :HN-181B MCB
DVW-510P (EK) :HN-181B MCB
DVW-CA510(J, UC) :HN-181B MCB
DVW-CA510P(EK) :HN-181B MCB

DVW-HN181-ALL-REC-S/M-05

NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.



Cassette's Tabs Sensor
PTC-59 BOARD

BOARD NO. 1-648-567-11
ALL DVWs: PTC-59 MCB

Reel Position Sensor
PTC-71 BOARD

BOARD NO. 1-648-569-11
ALL DVWs: PTC-71 MCB

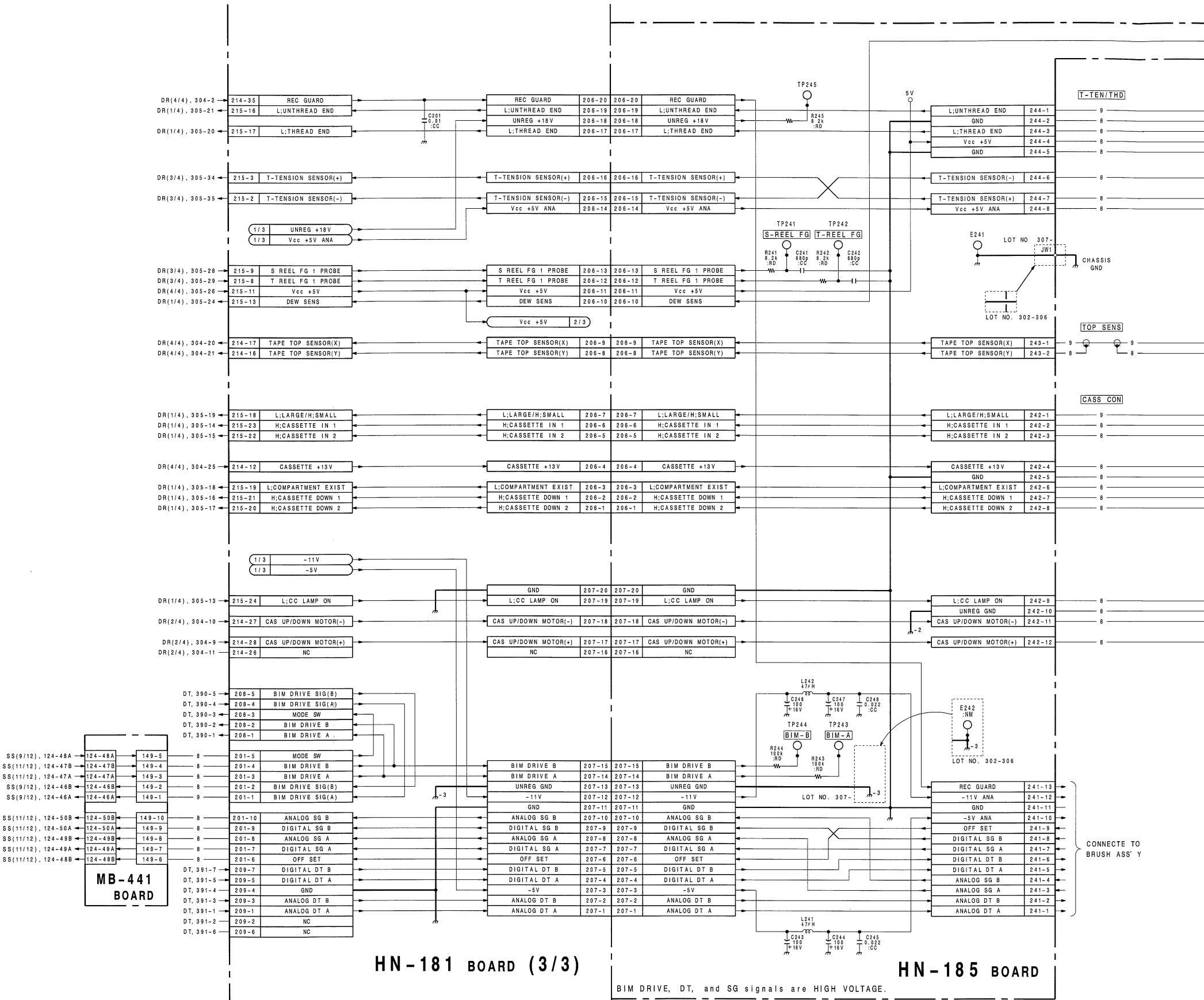
Reel Shift Motor
CCM-15 BOARD (R)

BOARD NO. 1-648-570-11
ALL DVWs

Connection Board
with REC Inhibit Sensor
HN-181 BOARD (2/3)

BOARD NO. 1-648-561-11, 12, 13
BOARD'S LOT NO. 302-
DVW-A500(J, UC) : HN-181 MCB
DVW-A500P(EK) : HN-181 MCB
DVW-A500P(UC) : HN-181 MCB
DVW-500 (J, UC) : HN-181 MCB
DVW-500P (EK) : HN-181 MCB
DVW-500P (UC) : HN-181 MCB

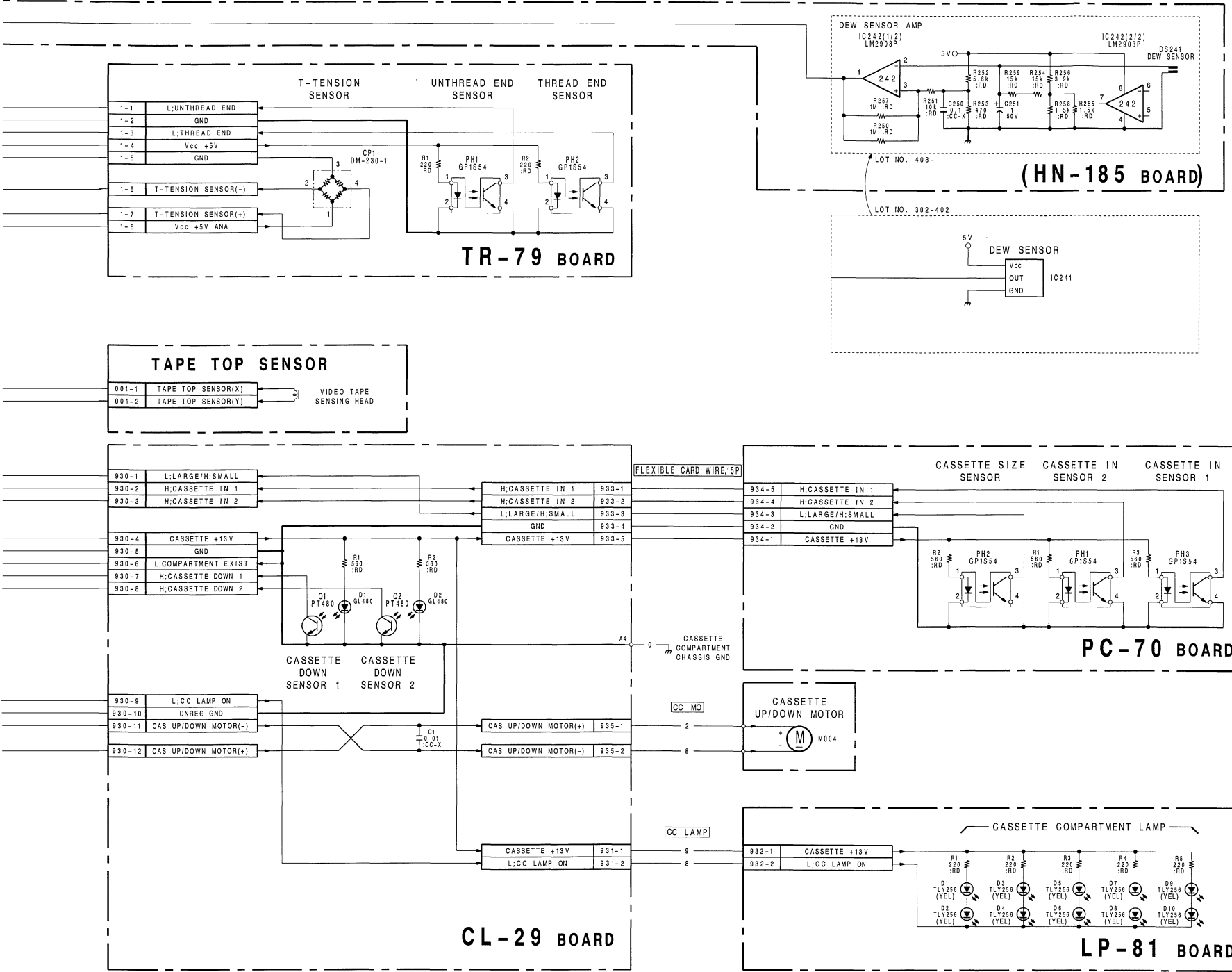
DVW-HN181-ALL-REC-S/M-04



HN-181 BOARD (3/3)

HN-185 BOARD

BIM DRIVE, DT, and SG signals are HIGH VOLTAGE.



T-Tension Sensor, Thread/Unthread-End Sensor

TR-79 BOARD

BOARD NO. 1-648-565-11
ALL DVWs :TR-79 MCB

Cassette-In Sensor, Cassette Down Sensor

PC-70 BOARD

BOARD NO. 1-648-571-11,12
BOARD' S LOT NO. 302-
DVW-A500 (J, UC) :PC-70 MCB
DVW-A500P (EK) :PC-70 MCB
DVW-A500P (UC) :PC-70 MCB
DVW-500 (J, UC) :PC-70 MCB
DVW-500P(EK, UC) :PC-70 MCB
DVW-A510 (J, UC) :PC-70 MCB
DVW-A510P (EK) :PC-70 MCB
DVW-510 (J, UC) :PC-70 MCB
DVW-510P (EK) :PC-70 MCB

Cassette Up/Down Motor, Cassette Down Sensor

CL-29 BOARD

BOARD NO. 1-648-572-11
BOARD' S LOT NO. 302-
DVW-A500 (J, UC) :CL-29 MCB
DVW-A500P (EK) :CL-29 MCB
DVW-A500P (UC) :CL-29 MCB
DVW-500 (J, UC) :CL-29 MCB
DVW-500P(EK, UC) :CL-29 MCB
DVW-A510 (J, UC) :CL-29 MCB
DVW-A510P (EK) :CL-29 MCB
DVW-510 (J, UC) :CL-29 MCB
DVW-510P (EK) :CL-29 MCB

Lamp of Compartment

LP-81 BOARD

BOARD NO. 1-648-573-11
BOARD' S LOT NO. 302-
DVW-A500 (J, UC) :LP-81 MCB
DVW-A500P (EK) :LP-81 MCB
DVW-A500P (UC) :LP-81 MCB
DVW-500 (J, UC) :LP-81 MCB
DVW-500P(EK, UC) :LP-81 MCB
DVW-A510 (J, UC) :LP-81 MCB
DVW-A510P (EK) :LP-81 MCB
DVW-510 (J, UC) :LP-81 MCB
DVW-510P (EK) :LP-81 MCB

Connection Board with Dew Sensor

HN-185 BOARD

BOARD NO. 1-648-563-11, 12, 14
BOARD' S LOT NO. 302-
ALL DVWs :HN-185 MCB

Connection

HN-181 BOARD (3/3)

BOARD NO. 1-648-561-11, 12, 13
BOARD' S LOT NO. 302-
DVW-A500 (J, UC) :HN-181 MCB
DVW-A500P (EK) :HN-181 MCB
DVW-A500P (UC) :HN-181 MCB
DVW-500 (J, UC) :HN-181 MCB
DVW-500P(EK, UC) :HN-181 MCB
DVW-A510 (J, UC) :HN-181B MCB
DVW-A510P (EK) :HN-181B MCB
DVW-510 (J, UC) :HN-181B MCB
DVW-510P (EK) :HN-181B MCB
DVW-CA510(J, UC) :HN-181B MCB
DVW-CA510P(EK) :HN-181B MCB

DVW-HN181-ALL-REC-S/M-04

NOTE:
ALL RESISTORS ARE 1/4W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.

LOT NO.	BOARD NO.	
	HN-181	HN-185
302-306	1-648-561-11	1-648-563-11
307-402	1-648-561-12	1-648-563-12
403-	1-648-561-13	1-648-563-14

1

2

3

4

5

A

B

C

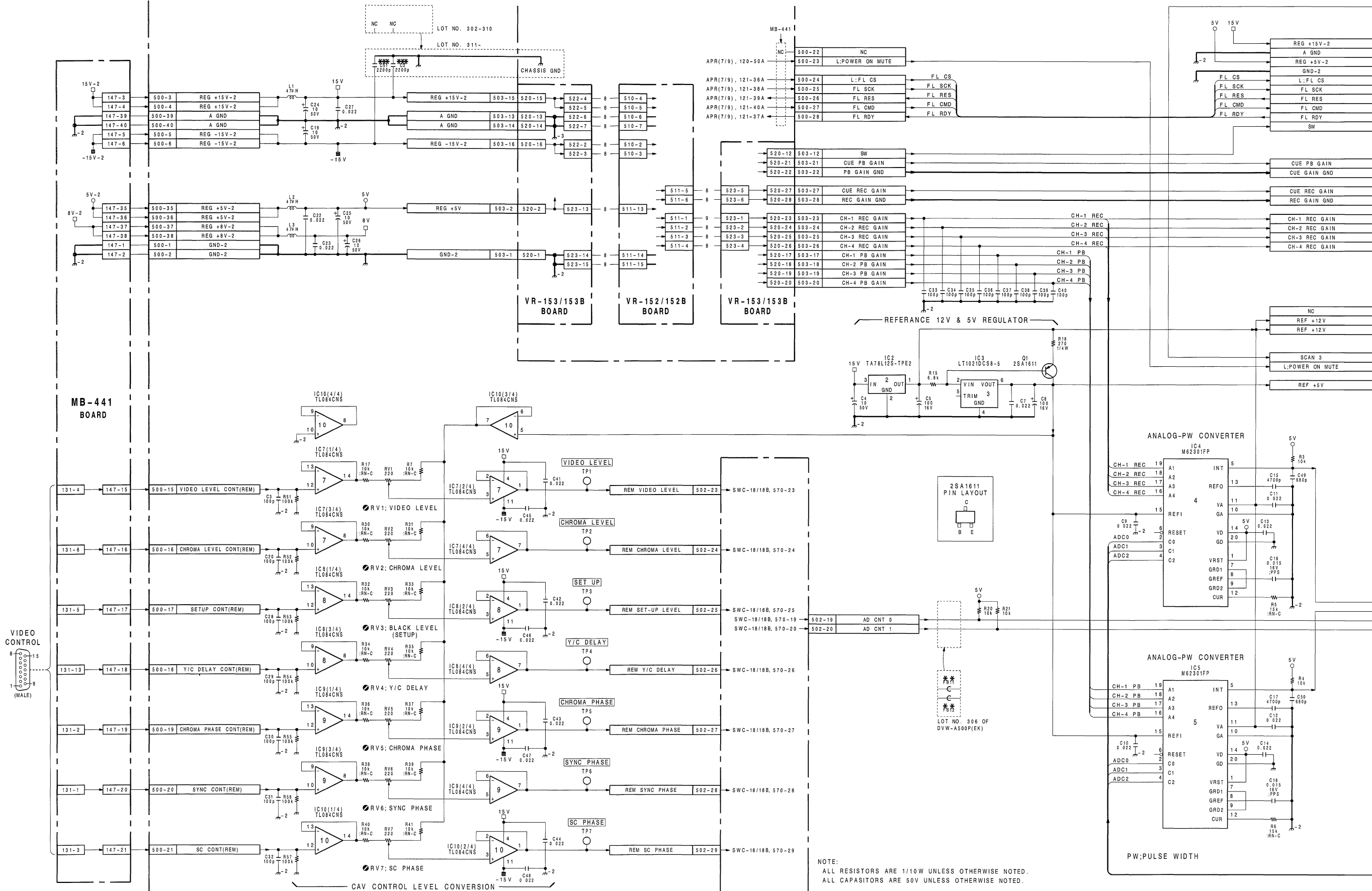
D

E

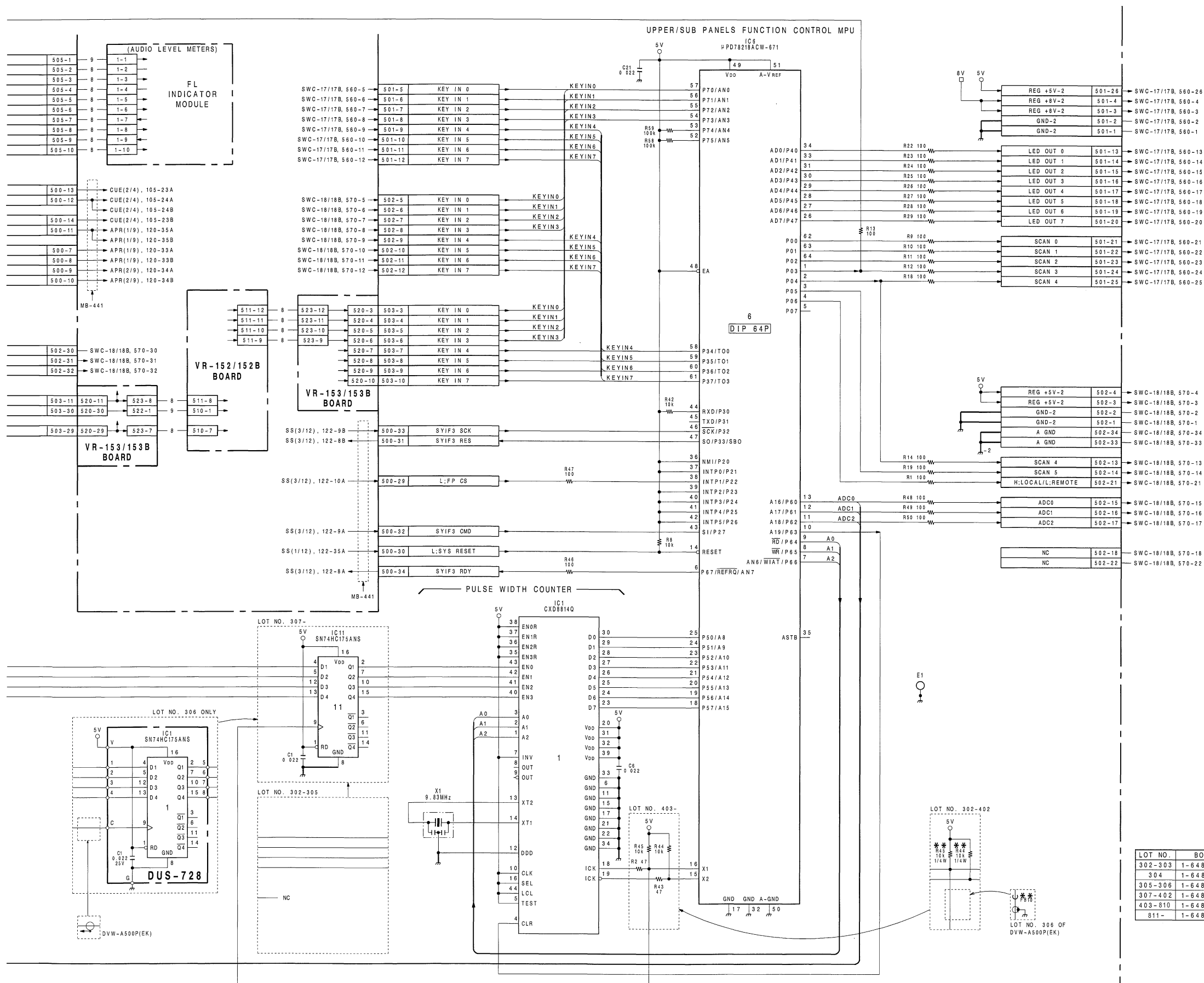
F

G

H



NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPASITORS ARE 50V UNLESS OTHERWISE NOTED.



The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit boards (of the following board No.) with silk screen.

FP-58 BOARD: 1-648-551-11
FP-58B BOARD: 1-648-551-21

The Ref.Nos.marked with *** are not printed on the printed circuit boards (of the following board No.) with silk screen.

FP-58 BOARD: 1-648-551-11, 12
FP-58B BOARD: 1-648-551-21, 22

DUS-728 BOARD

BOARD NO. 1-651-012-11
FOR FP-58 BOARD (LOT NO.306 ONLY)

Sub/Upper Control Panels
Function(SWs, LEDs) Control,
CAV Control Level Conversion

FP-58/58B BOARD

BOARD NO. 1-648-551-11, 12, 13, 14/22, 23, 24

BOARD'S LOT NO. 302-

DVW-A500 (J, UC) :FP-58 MCB

DVW-A500P (EK) :FP-58 MCB

DVW-A500P (UC) :FP-58 MCB

DVW-500 (J, UC) :FP-58 MCB

DVW-500P(EK, UC) :FP-58 MCB

DVW-A510 (J, UC) :FP-58B MCB

DVW-A510P (EK) :FP-58B MCB

DVW-510 (J, UC) :FP-58B MCB

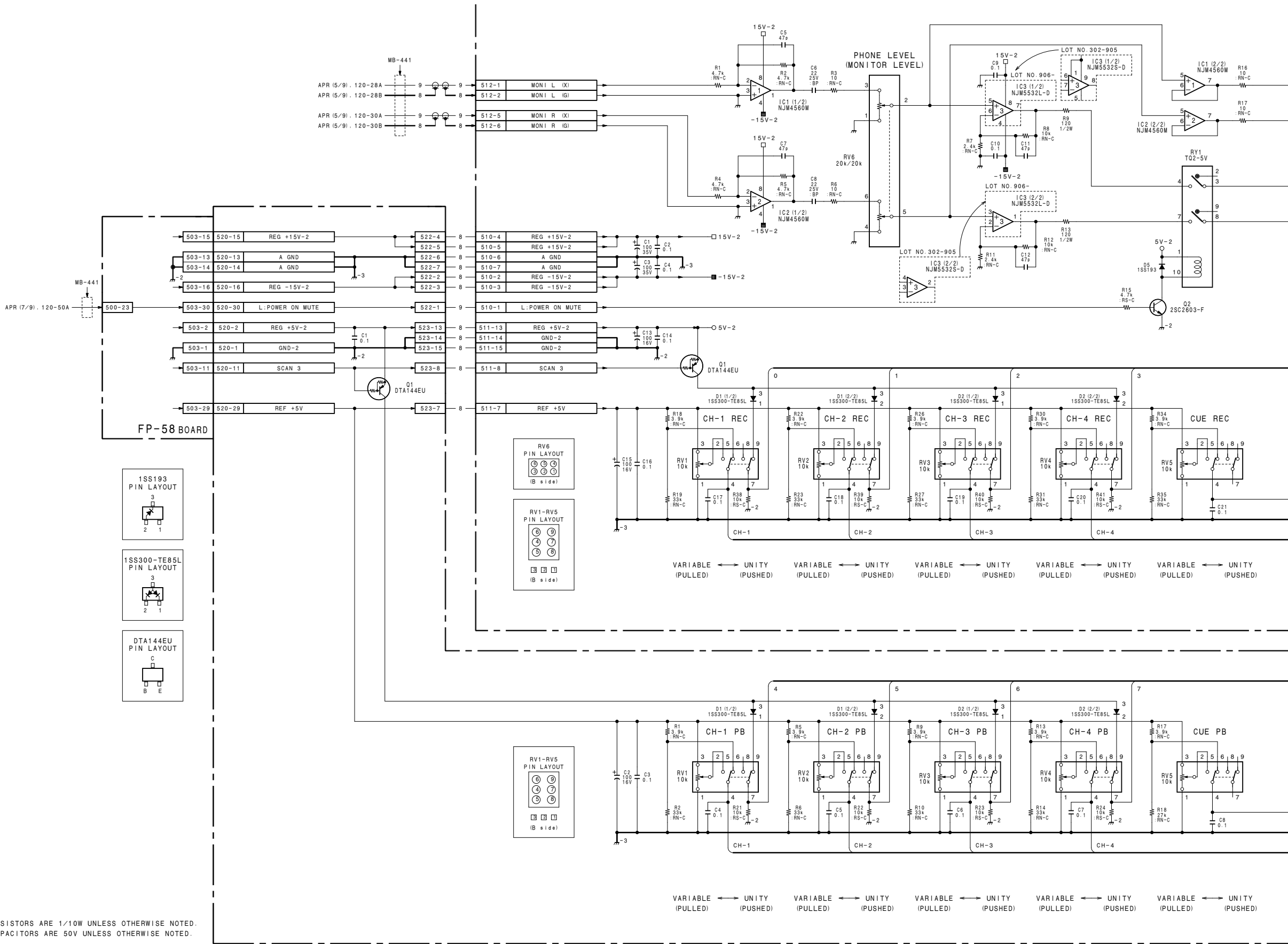
DVW-510P (EK) :FP-58B MCB

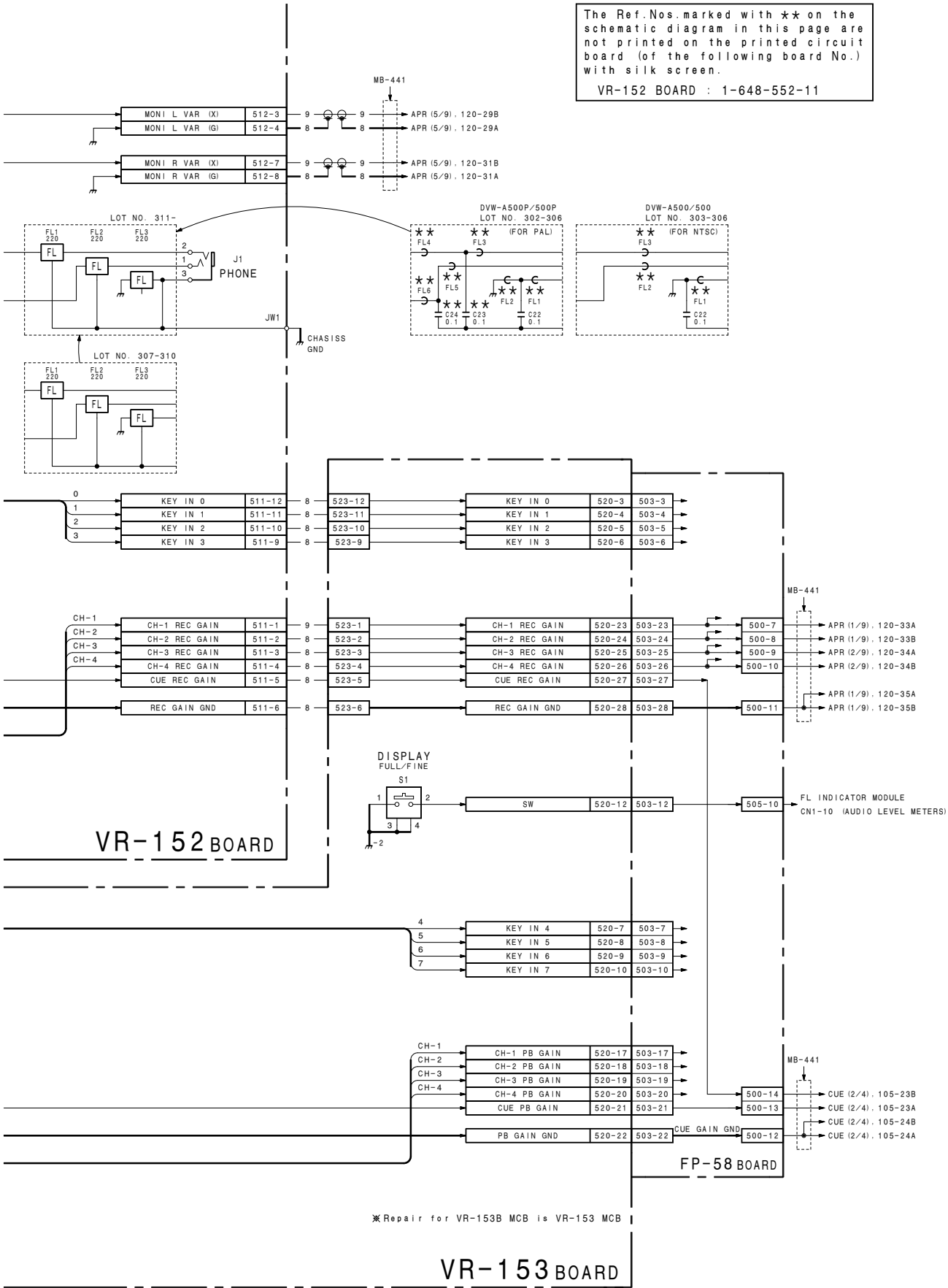
DVW-CA510(J, UC) :FP-58B MCB

DVW-CA510P(EK) :FP-58B MCB

Repair for FP-58B MCB is FP-58 MCB

©VW-FP58-ALL-ALL-S/M-03





LOT NO.	BOARD NO.	
	VR-152	VR-153
302-306	1-648-552-11	1-648-553-11
307-402	1-648-552-12	1-648-553-12
403-	1-648-552-13	1-648-553-12

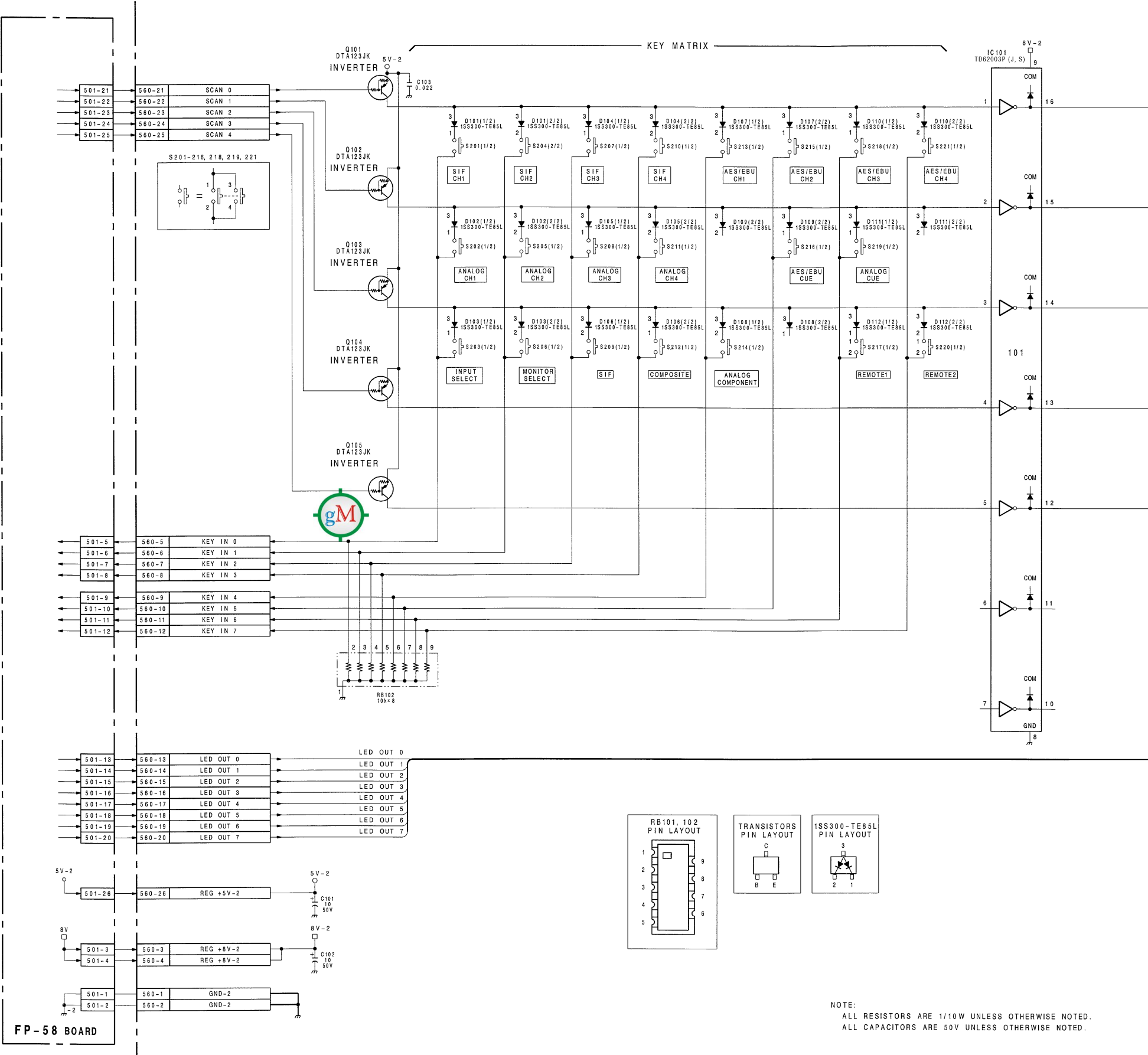
Audio REC Level VRs,
Phone Level VR,
Phone Connector
VR-152 BOARD

BOARD NO. 1-648-552-11, 12, 13
BOARD'S LOT NO. 302-
DVW-A500 (J, UC) : VR-152 MCB
DVW-A500P (EK) : VR-152 MCB
DVW-A500P (UC) : VR-152 MCB
DVW-500 (J, UC) : VR-152 MCB
DVW-500P (EK) : VR-152 MCB
DVW-500P (UC) : VR-152 MCB

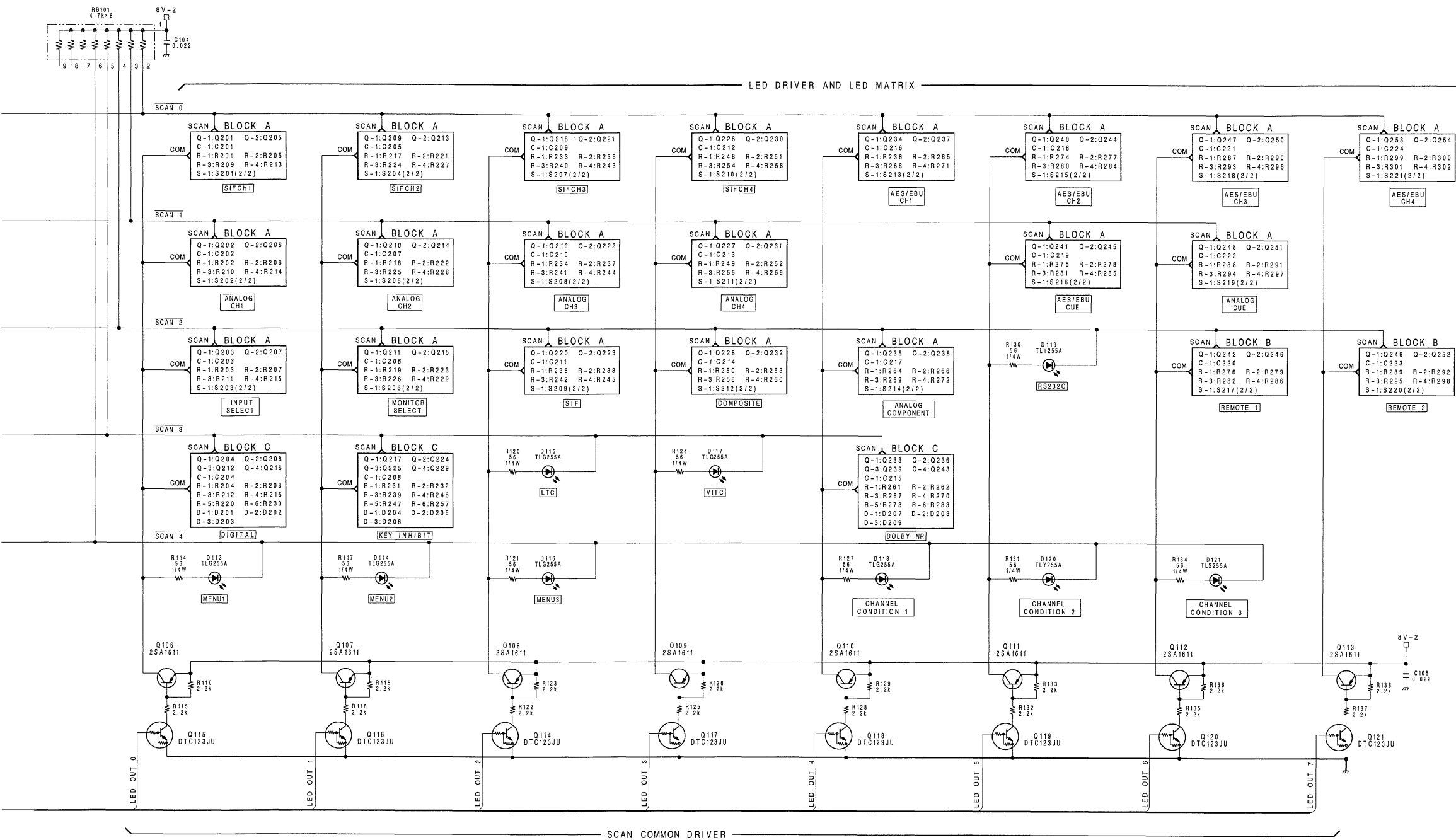
Audio PB Level VRs,
VR-153 BOARD

BOARD NO. 1-648-553-11, 12
BOARD'S LOT NO. 302-
DVW-A500 (J, UC) : VR-153 MCB
DVW-A500P (EK) : VR-153 MCB
DVW-A500P (UC) : VR-153 MCB
DVW-500 (J, UC) : VR-153 MCB
DVW-500P (EK) : VR-153 MCB
DVW-500P (UC) : VR-153 MCB

DVW-VR152-ALL-REC-S/M-04



FP-58 BOARD



Upper Panel Function(SWs, LEDs)

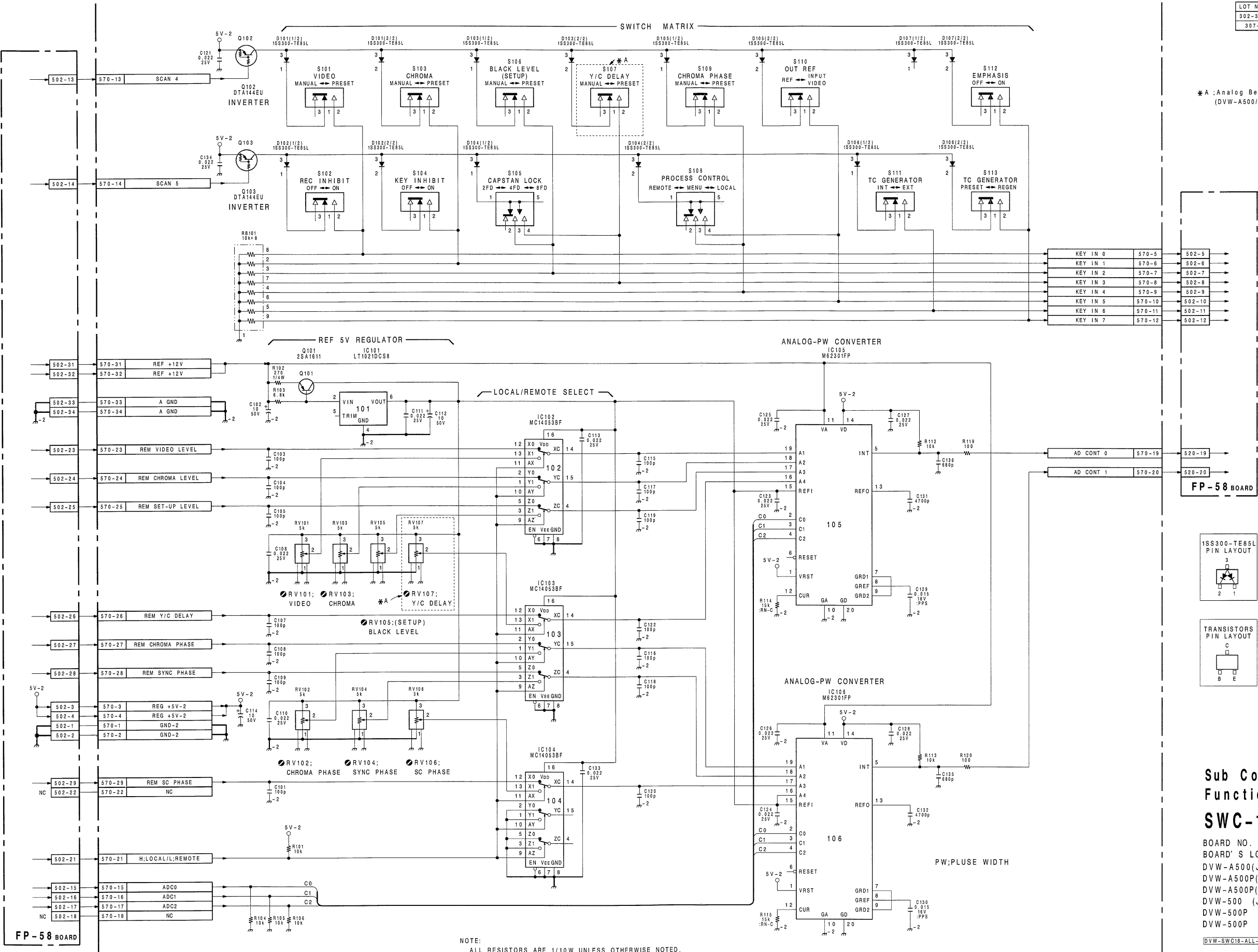
SWC-17 BOARD

BOARD NO. 1-648-548-11, 12, 13
BOARD' S LOT NO. 302-
DVW-A500(J, UC) :SWC-17 MCB
DVW-A500P(EK) :SWC-17 MCB
DVW-A500P(UC) :SWC-17 MCB
DVW-500 (J, UC) :SWC-17 MCB
DVW-500P (EK) :SWC-17 MCB
DVW-500P (UC) :SWC-17 MCB

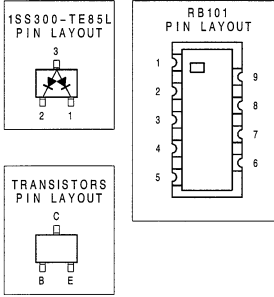
DVW-SWC17-ALL-REC-8/M-04

LOT NO.	BOARD NO.
302-306	1-648-549-11
307-	1-648-549-12

*A: Analog Betacam PB models only
(DVW-A500/A500P)



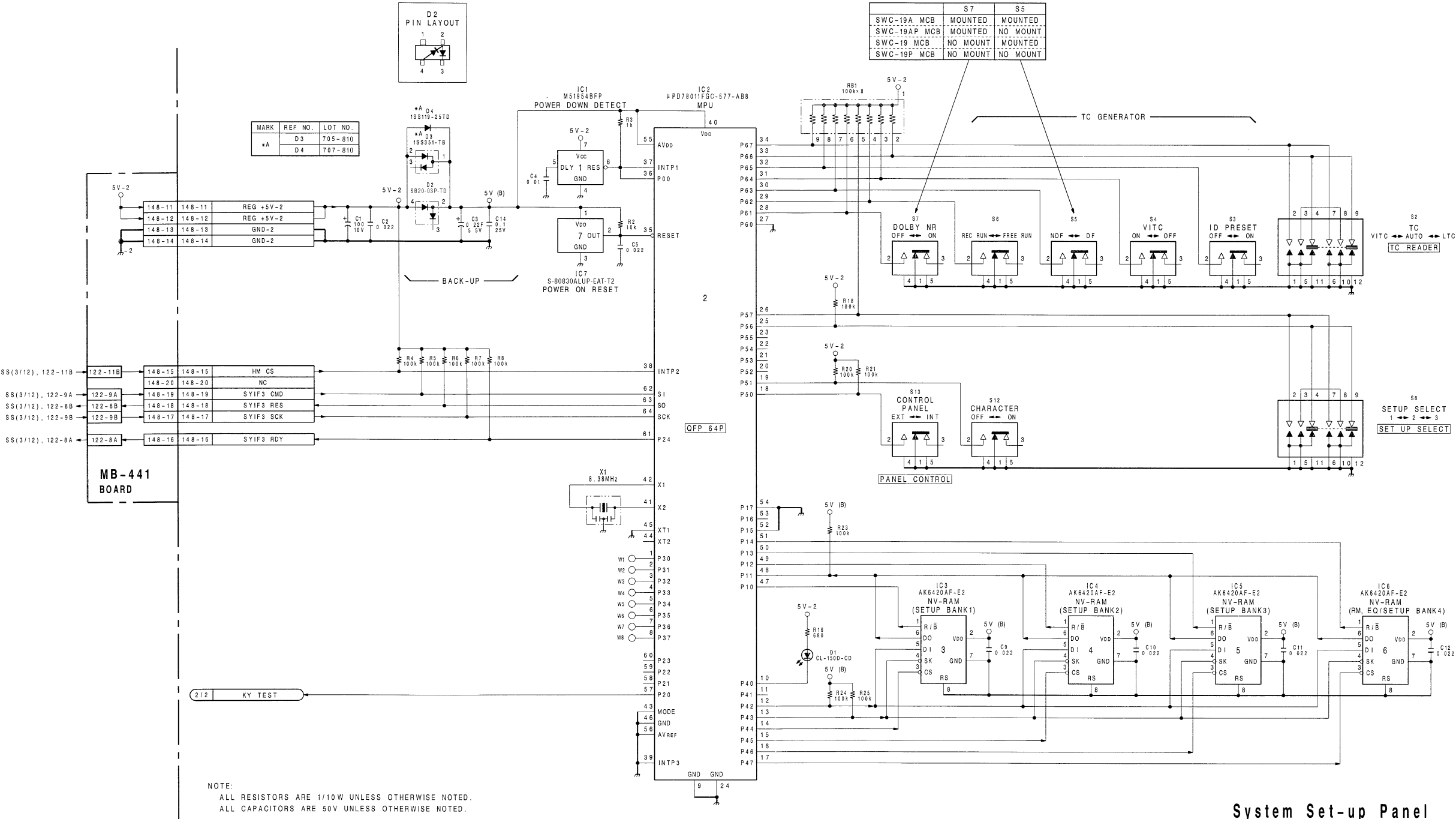
FP-58 BOARD



Sub Control Panel Function SWC-18 BOARD

BOARD NO. 1-648-549-11, 12
BOARD'S LOT NO. 302-
DVW-A500(J, UC) :SWC-18A MCB
DVW-A500P(EK) :SWC-18A MCB
DVW-A500P(UC) :SWC-18A MCB
DVW-500 (J, UC) :SWC-18 MCB
DVW-500P (EK) :SWC-18 MCB
DVW-500P (UC) :SWC-18 MCB

DVW-SWC18-ALL-REC-S/M-04



System Set-up Panel
Function Control
SWC-19 BOARD (1/2)

LOT NO.	BOARD NO.
302-306	1-648-550-11
307-402	1-648-550-12
403-704	1-648-550-13
705-	1-648-550-14

BOARD NO. 1-648-550-11, 12, 13, 14
BOARD'S LOT NO. 302-
DVW-A500(J, UC) :SWC-19A MCB
DVW-A500P(EK) :SWC-19AP MCB
DVW-A500P(UC) :SWC-19AP MCB
DVW-500 (J, UC) :SWC-19 MCB
DVW-500P (EK) :SWC-19P MCB
DVW-500P (UC) :SWC-19P MCB

DVW-SWC19-ALL-REC-S/M-05

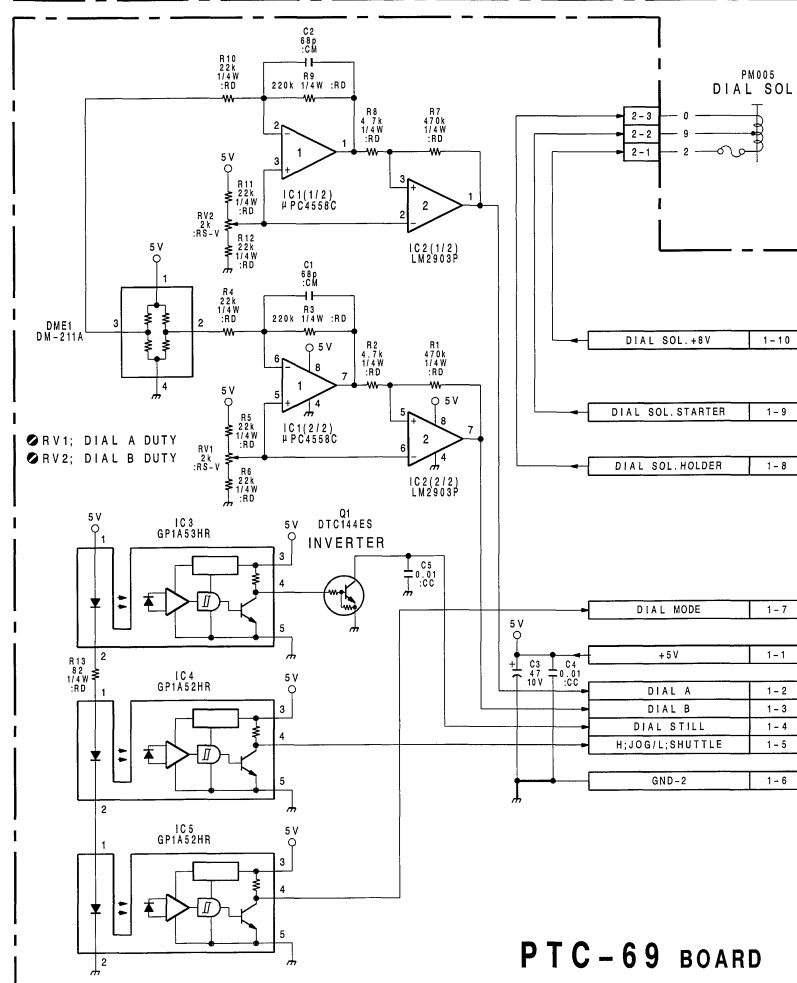
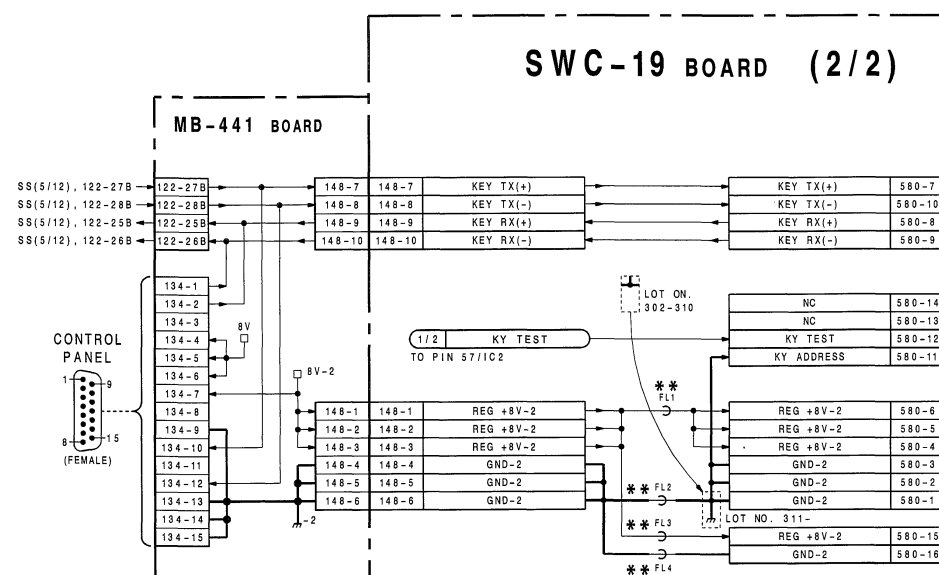
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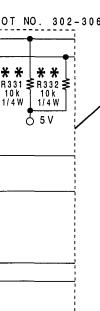
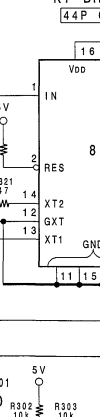
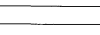
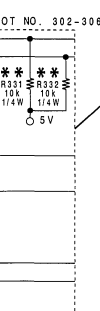
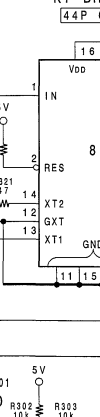
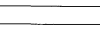
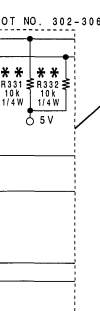
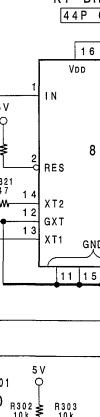
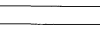
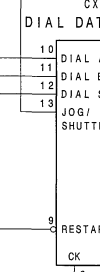
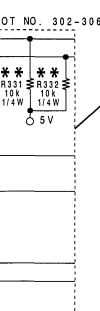
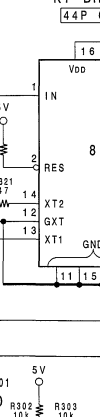
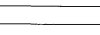
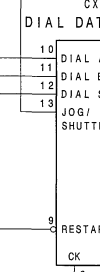
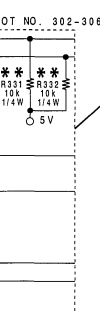
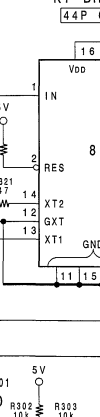
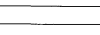
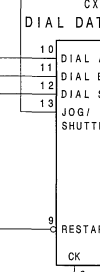
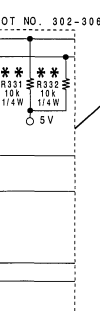
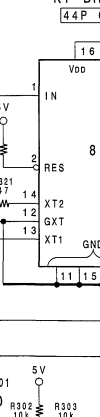
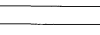
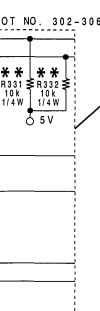
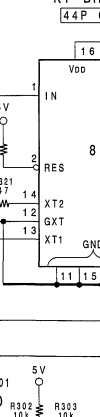
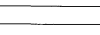
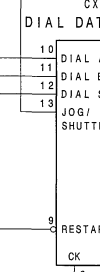
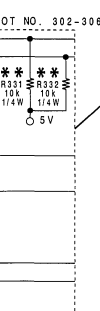
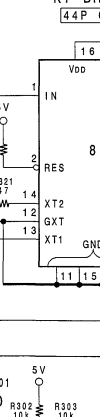
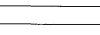
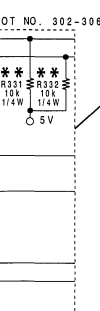
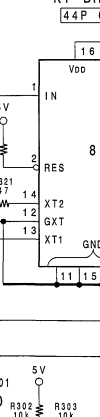
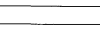
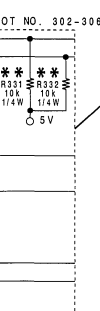
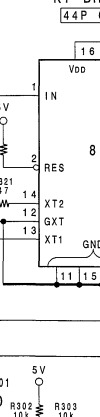
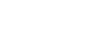
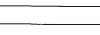
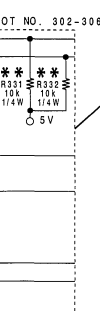
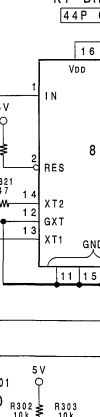
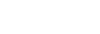
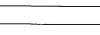
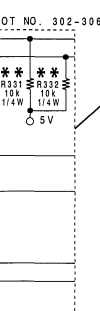
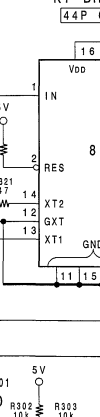
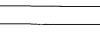
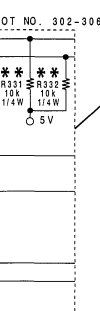
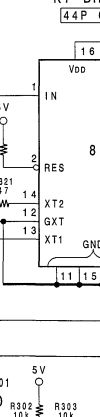
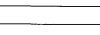
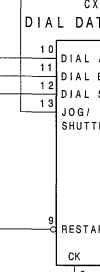
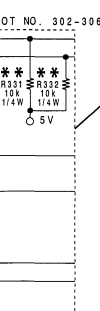
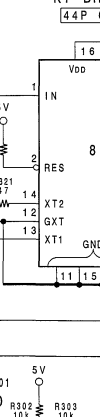
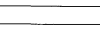
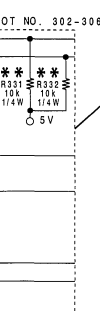
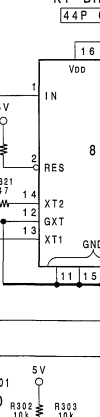
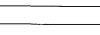
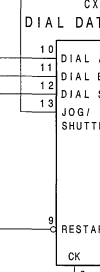
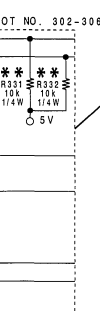
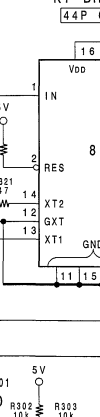
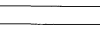
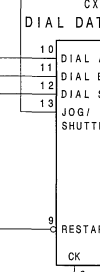
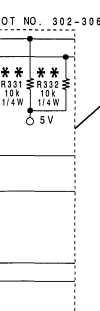
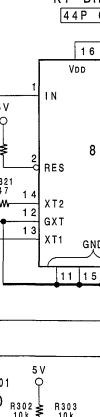
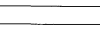
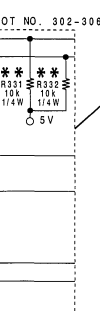
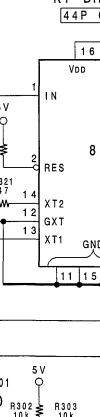
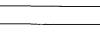
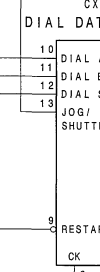
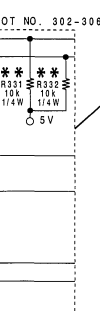
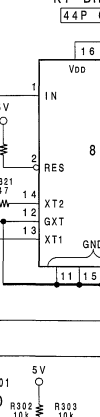
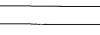
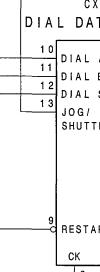
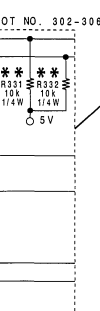
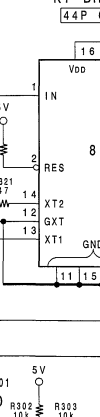
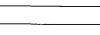
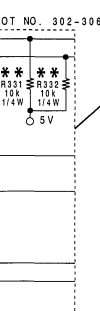
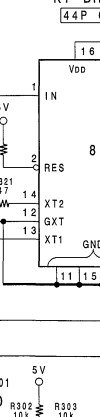
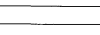
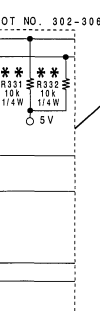
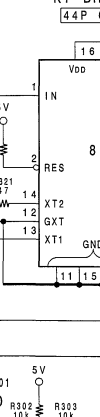
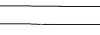
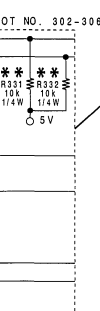
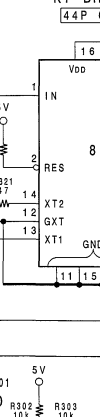
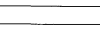
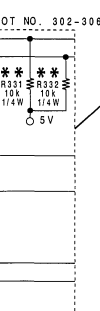
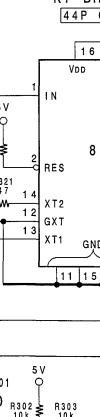
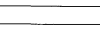
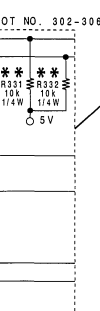
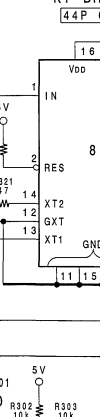
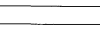
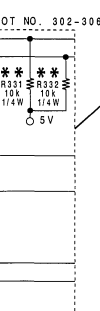
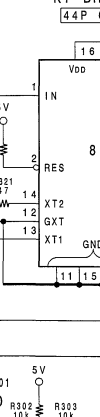
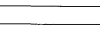
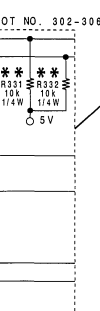
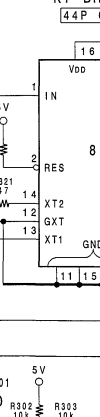
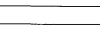
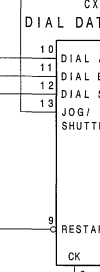
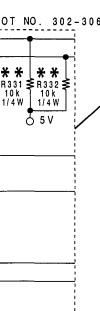
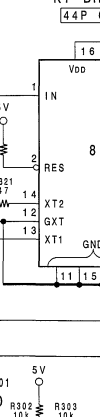
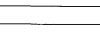
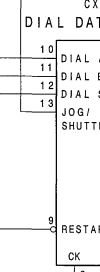
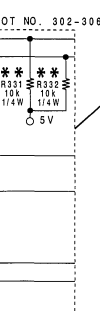
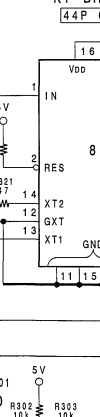
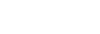
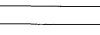
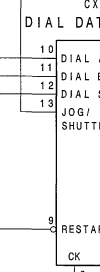
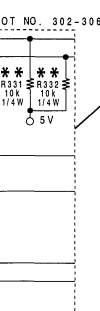
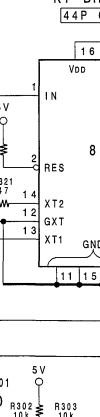
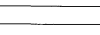
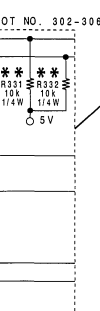
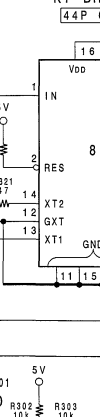
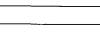
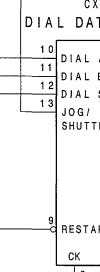
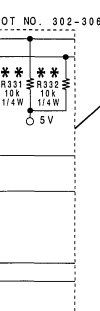
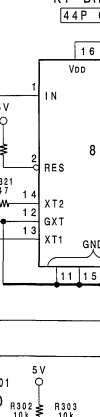
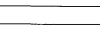
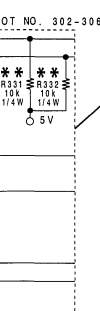
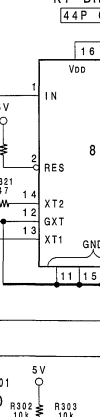
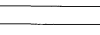
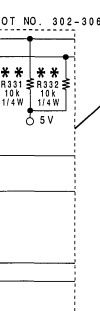
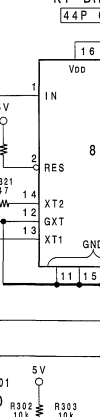
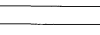
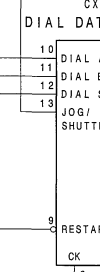
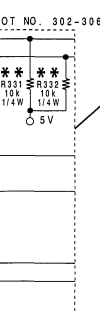
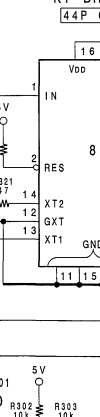
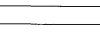
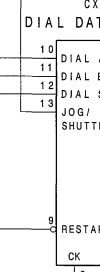
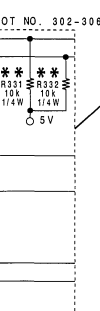
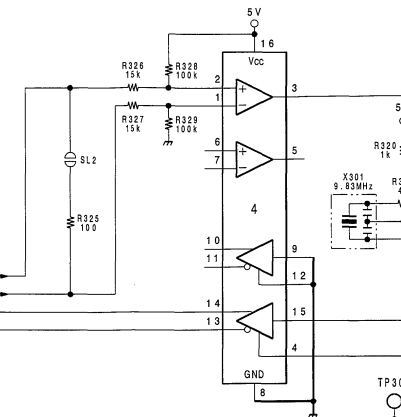
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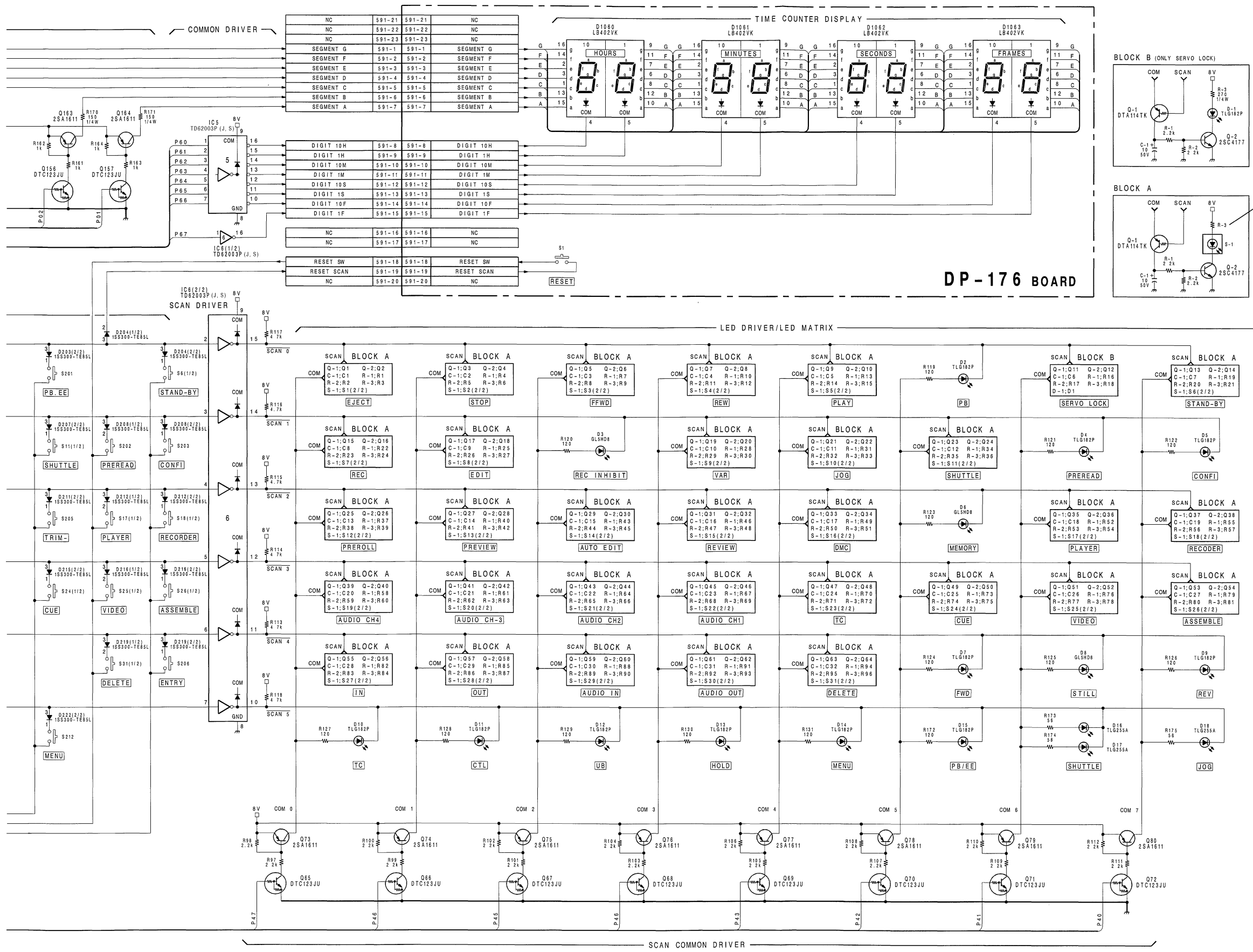
5



NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.

LINE RECEIVER/TRANSMITTER





DP-176 BOARD

The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit boards (of the following board No.) with silk screen.

KY-231 BOARD : 1-648-546-11
SWC-19 BOARD : 1-648-550-11

LOT NO.	KY-231	DP-176	SWC-19
302-306	1-648-546-11	1-648-547-11	1-648-550-11
307-402	1-648-546-12	1-648-547-12	1-648-550-12
403-704	1-648-546-13	1-648-547-12	1-648-550-13
705-	1-648-546-13	1-648-547-12	1-648-550-14

REF NO.	LOT NO.
R3, 6	302-402 403-
R9, 12, R15, 21	120 270 1/4W
R24	220 1/4W 270 1/4W
R27	120 330 1/4W
R30, 33, R36	180 1/4W 390 1/4W
R39, 42	120 330 1/4W
R45	220 1/4W 270 1/4W
R48	120 330 1/4W
R51, 54, R57, 60, R63, 66, R69, 72, R75, 78, R81, 84, R87, 90, R93, 96	180 1/4W 390 1/4W

Time Counter Display DP-176 BOARD

BOARD NO. 1-648-547-11, 12
BOARD'S LOT NO. 302-
DVW-A500(J, UC) : DP-176 MCB
DVW-A500P(EK) : DP-176 MCB
DVW-A500P(UC) : DP-176 MCB
DVW-500 (J, UC) : DP-176 MCB
DVW-500P (EK) : DP-176 MCB
DVW-500P (UC) : DP-176 MCB

Jog/Shuttle Dial Sensor PTC-69 BOARD

BOARD NO. 1-648-568-11, 12
ALL DVWs : PTC-69 MCB

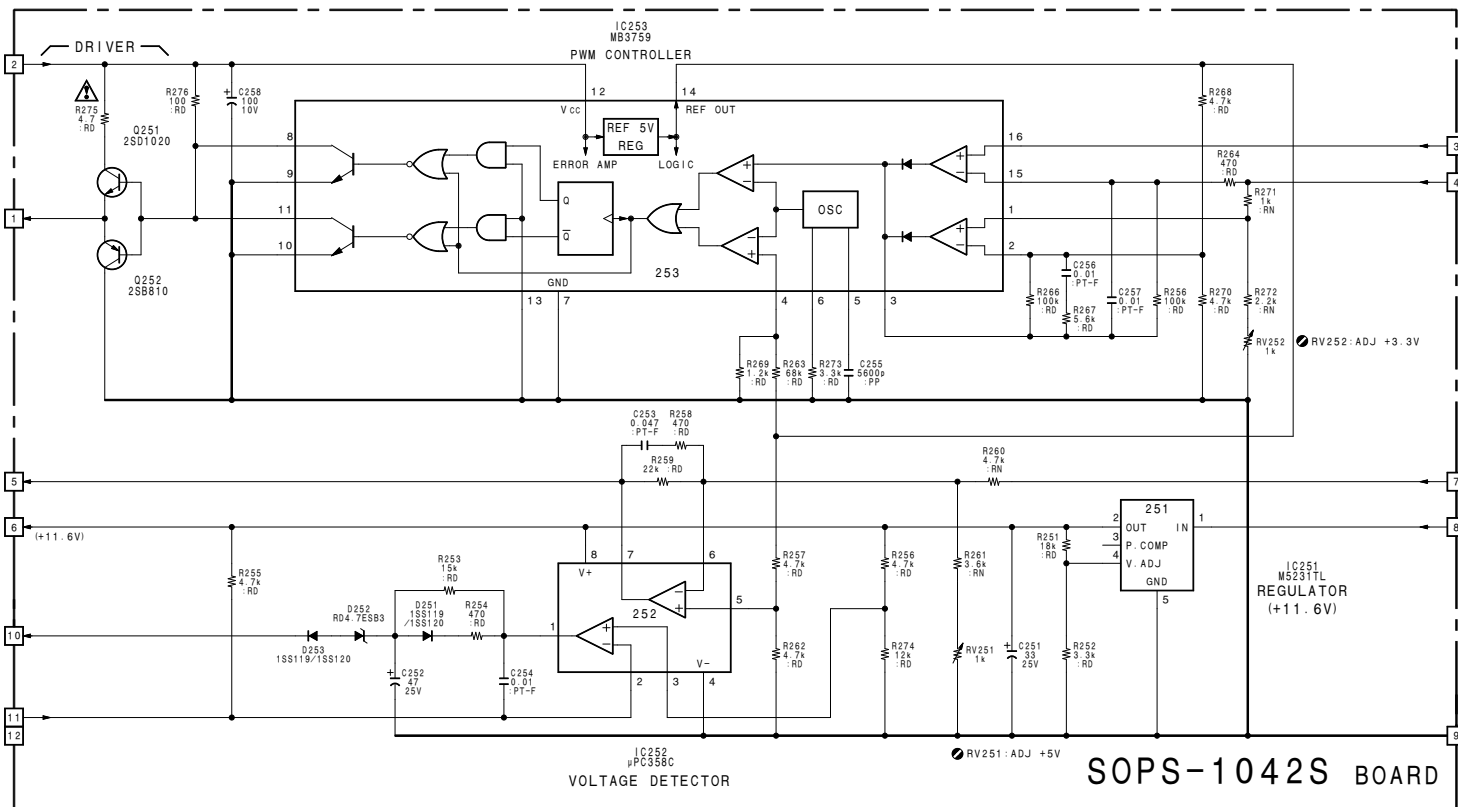
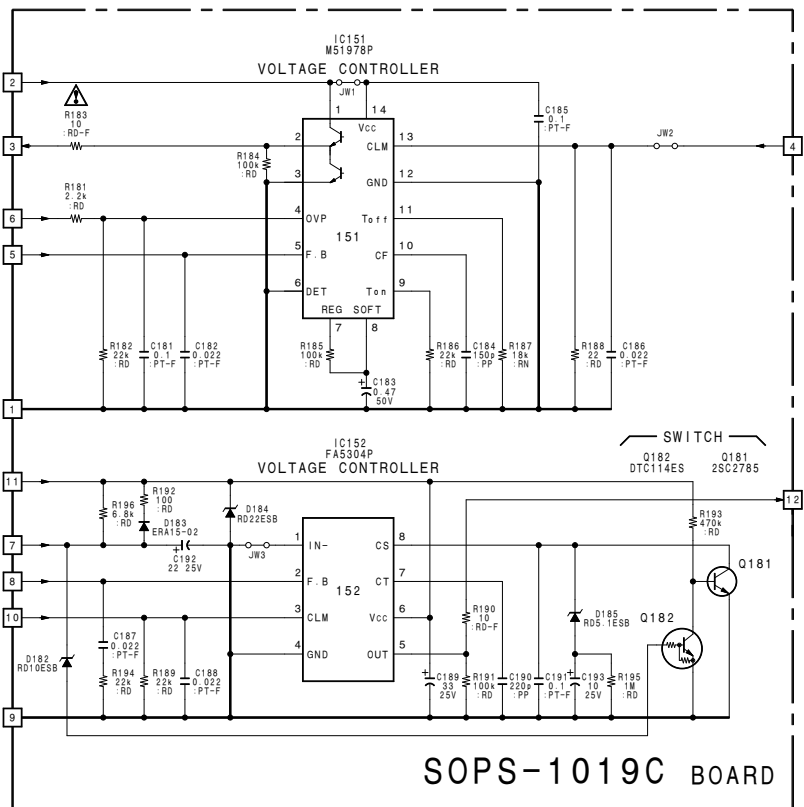
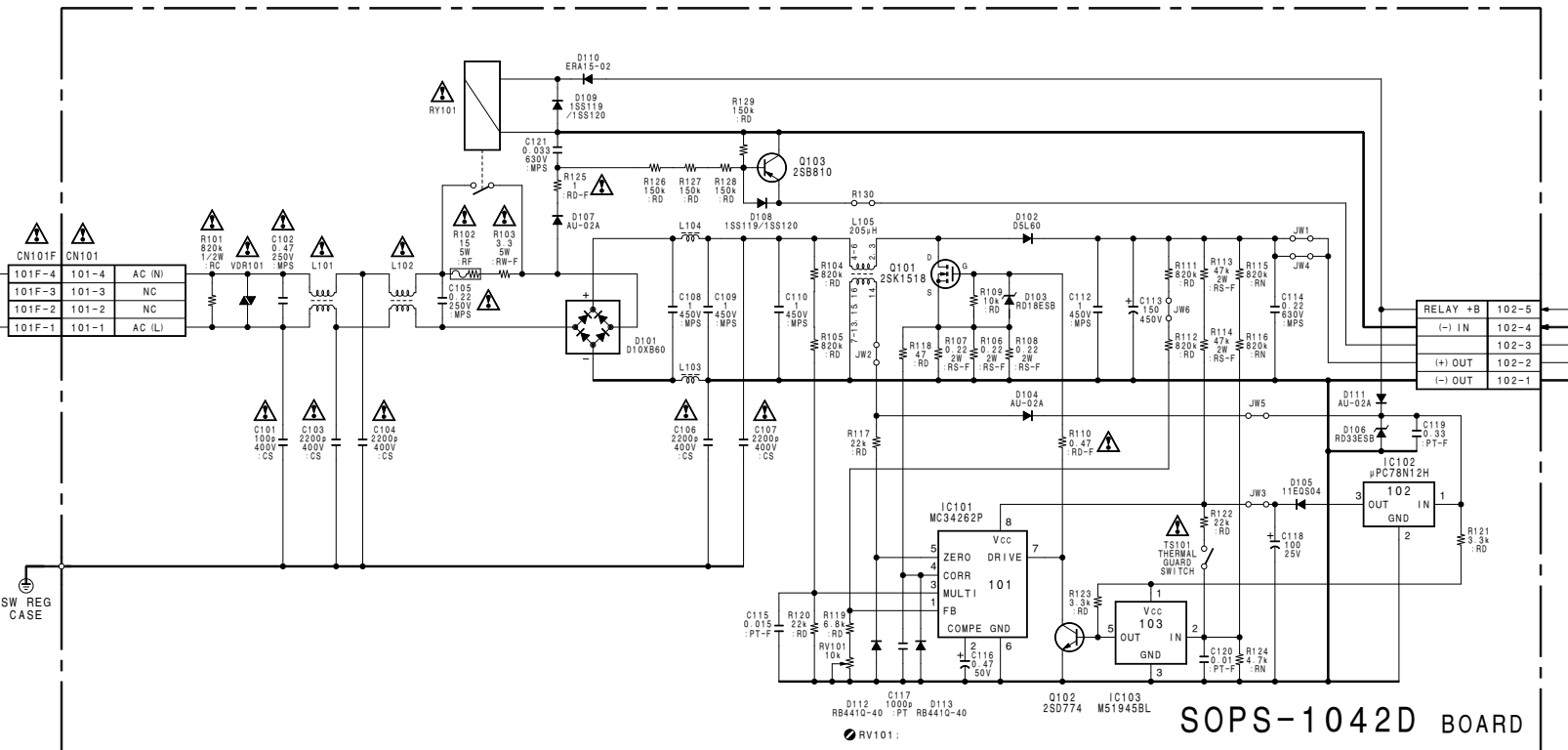
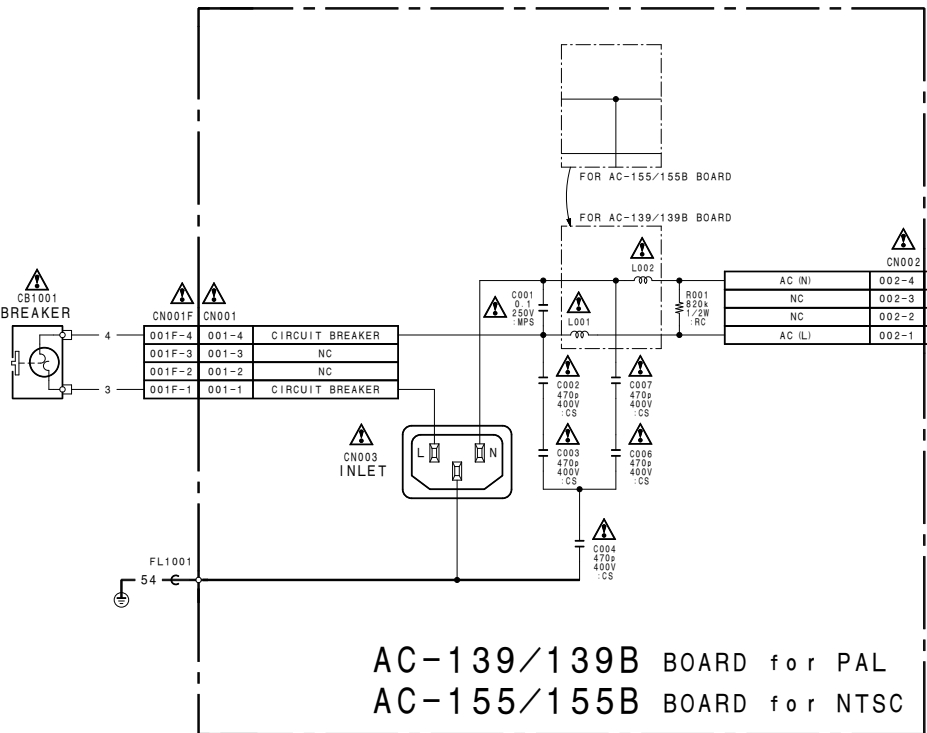
Connection SWC-19 BOARD (2/2)

BOARD NO. 1-648-550-11, 12, 13, 14
BOARD'S LOT NO. 302-
DVW-A500(J, UC) : SWC-19A MCB
DVW-A500P(EK) : SWC-19A MCB
DVW-A500P(UC) : SWC-19A MCB
DVW-500 (J, UC) : SWC-19 MCB
DVW-500P (EK) : SWC-19P MCB
DVW-500P (UC) : SWC-19P MCB

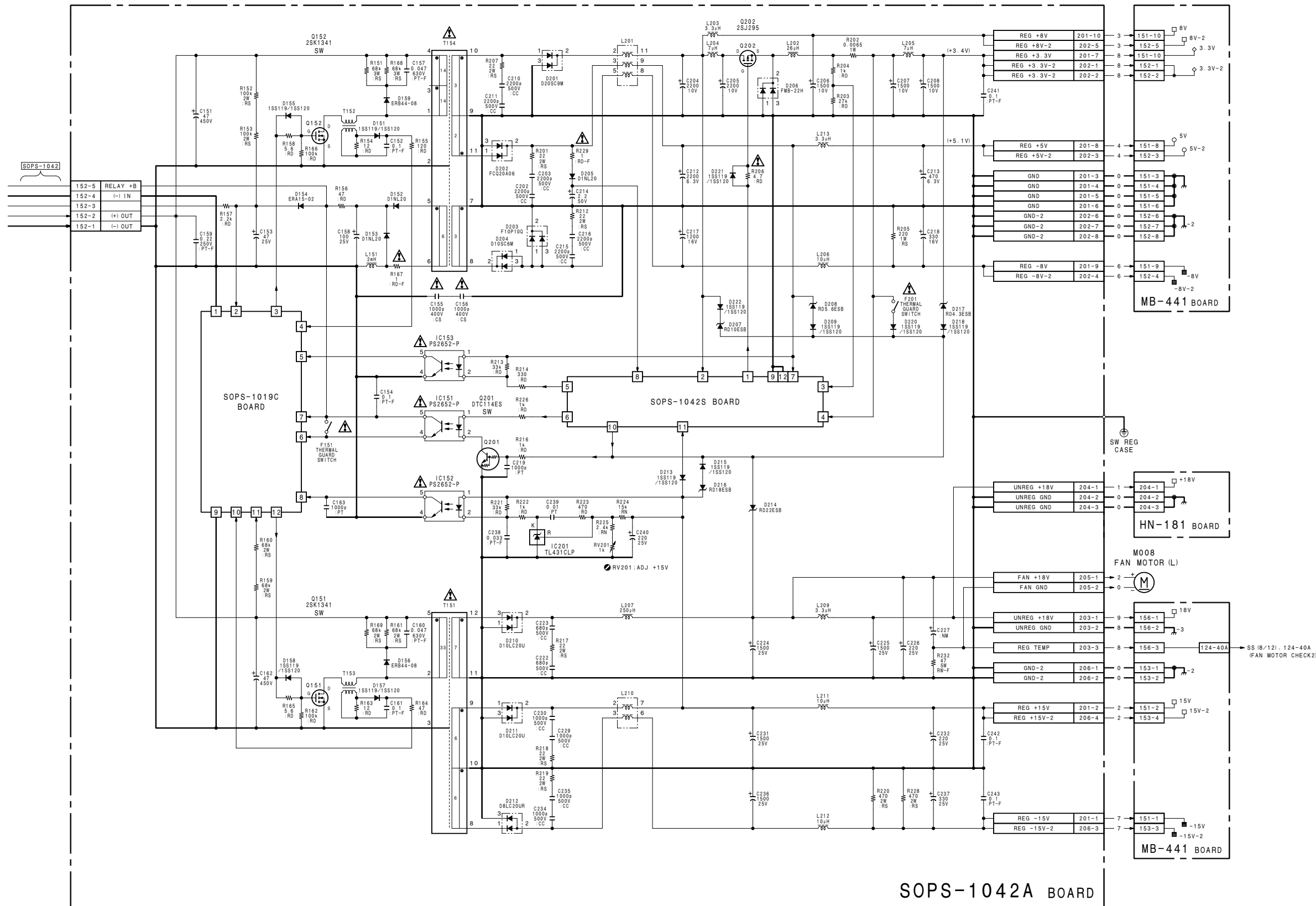
Lower Panel Control KY-231 BOARD

BOARD NO. 1-648-546-11, 12, 13
BOARD'S LOT NO. 302-
DVW-A500(J, UC) : KY-231 MCB
DVW-A500P(EK) : KY-231 MCB
DVW-A500P(UC) : KY-231 MCB
DVW-500 (J, UC) : KY-231 MCB
DVW-500P (EK) : KY-231 MCB
DVW-500P (UC) : KY-231 MCB

DVW-KY231-ALL-REC-S7M-05



NOTE:
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ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.



Switching Regulator SOPS-1042 (A)

DVW ALL MODELS

SOPS-1019C BOARD

BOARD NO. 1-640-835-11

SOPS-1042A BOARD

BOARD NO. 1-648-404-11

SOPS-1042D BOARD

BOARD NO. 1-656-244-11, 12

SOPS-1042S BOARD

BOARD NO. 1-648-406-11

AC Connector Board,
With Breaker
AC-139/139B BOARD

BOARD NO. 1-648-557-11/21

BOARD'S LOT NO. 302-

DVW-A500P (EK) : AC-139 MCB

DVW-A500P (UC) : AC-139 MCB

DVW-500P (EK) : AC-139 MCB

DVW-500P (UC) : AC-139 MCB

DVW-A510P (EK) : AC-139B MCB

DVW-510P (EK) : AC-139B MCB
DVW-CA510P (EK) : AC-139B MCB

Repair for AC-139B MCB is AC-139 MCB

Repair for AC-139B MCB is AC-139 MCB

AC Connector Board, With Breaker

AC-155/155B BOARD

BOARD NO. 1-648-887-11/21

BOARD'S LOT NO. 302-

DVW-A500 (J, UC) : AC-155 MCB

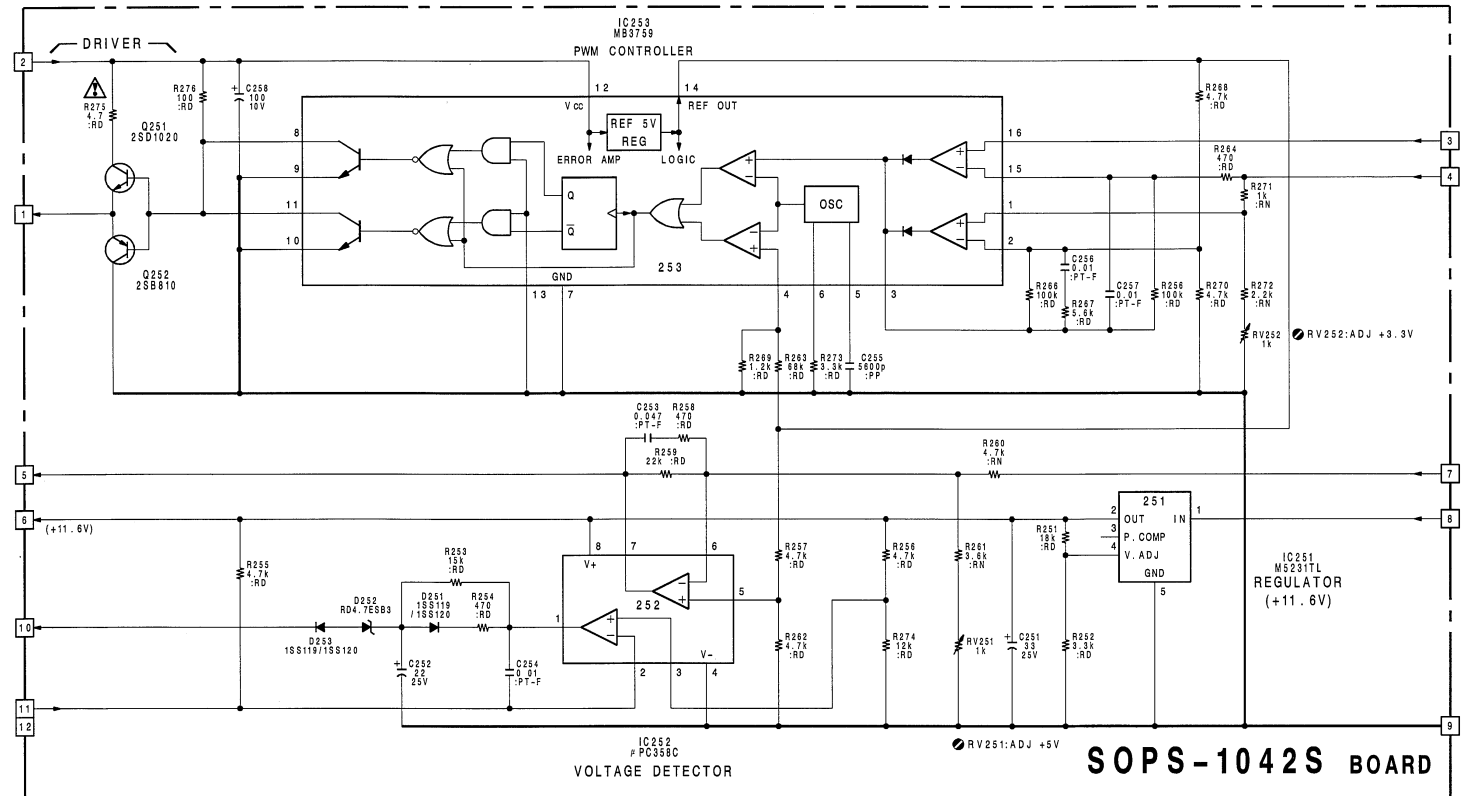
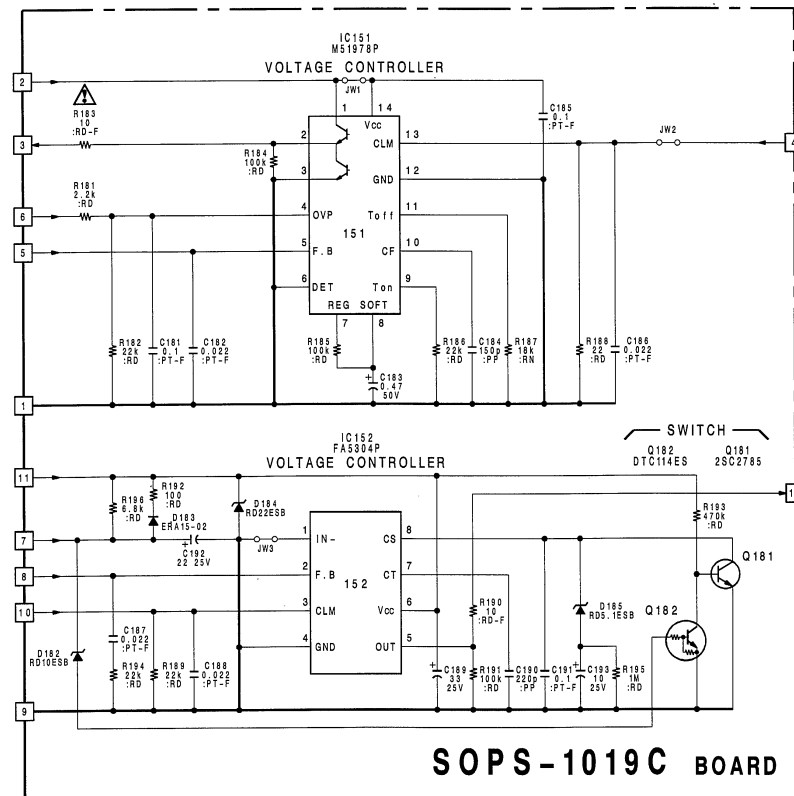
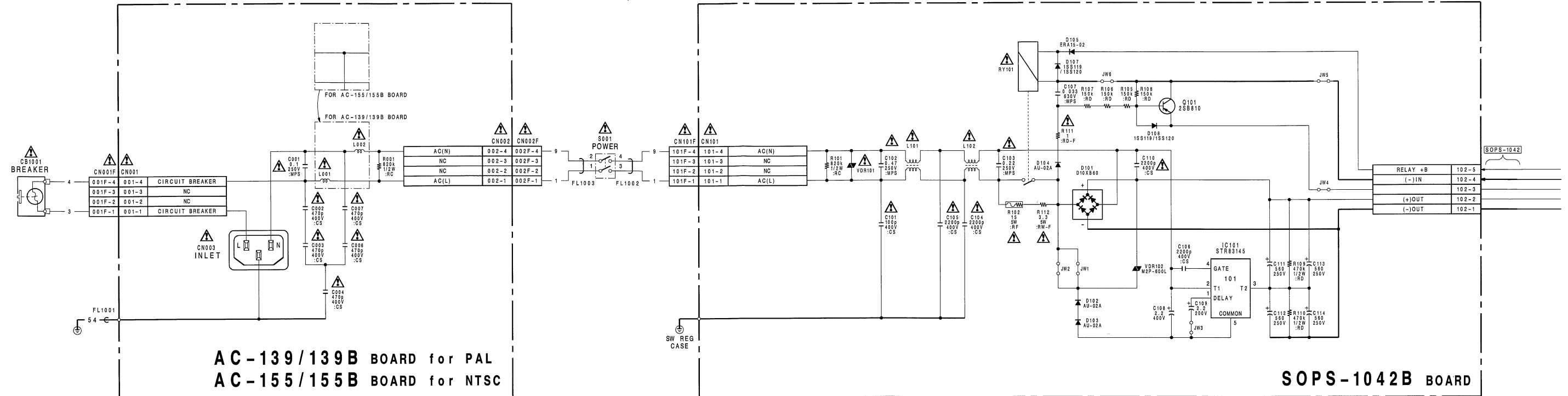
DVW-500 (J, UC) : AC-155 MCB

DVW-A510 (J, UC) : AC-155B MCB

DVW-510 (J, UC) : AC-155B MCB

DVW-CA510 (J, UC) : AC-155B MCB

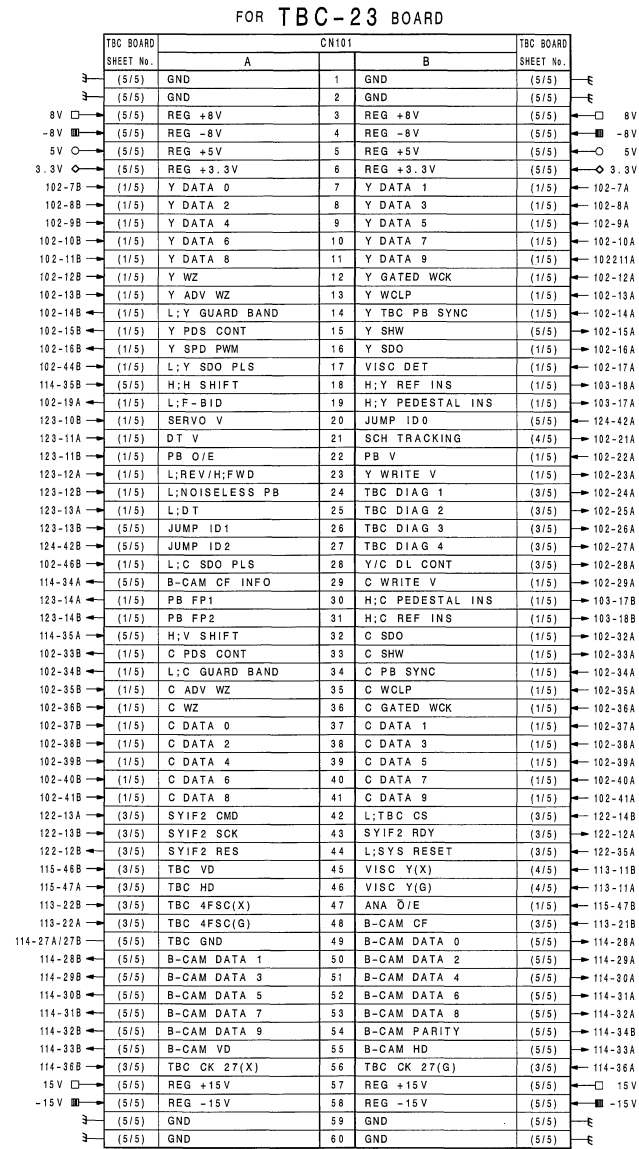
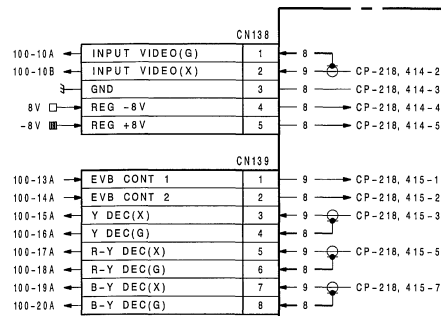
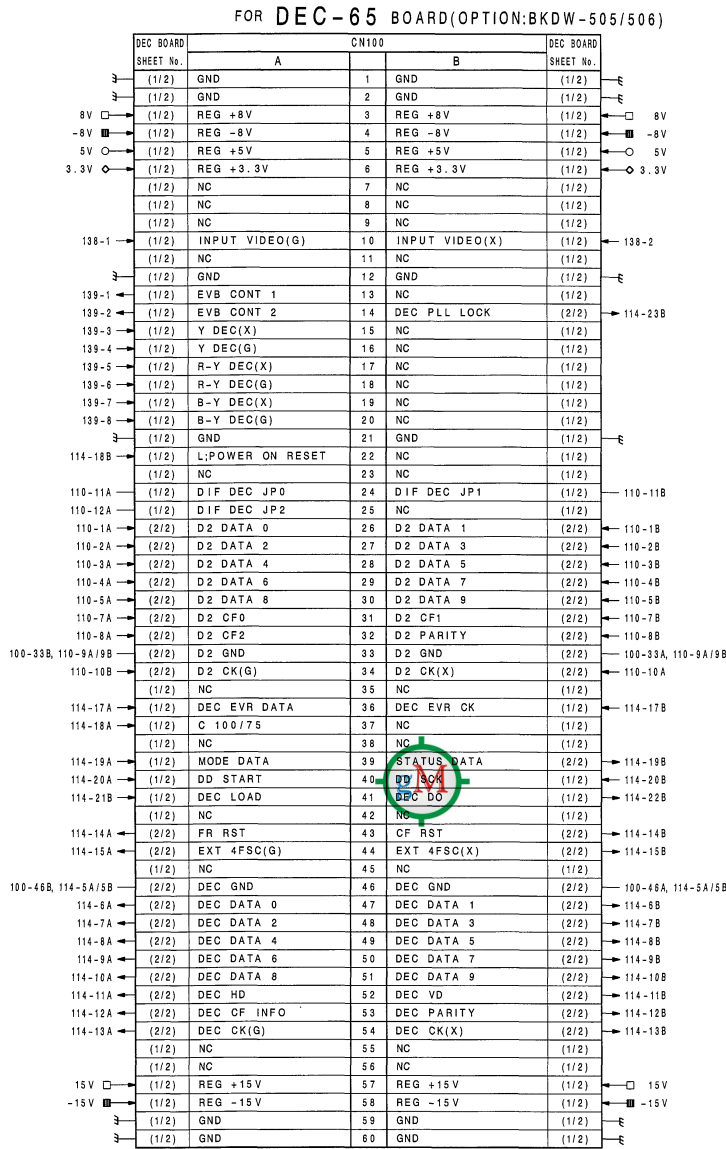
Repair for AC-155B MCB is AC-155 MCB



NOTE:
ALL RESISTORS ARE 1/4W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.



MB-441 BOARD		
SHEET No.	REF. No.	CONNECTION
(1/6)	CN100	DEC-65 BKDW-505/506
	CN101	TBC-23 DVW-A500/A500P
	CN102	TBC-24 ONLY
	CN103	DM-89 (MB-441A MCB)
	CN104	AP-28
(2/6)	CN105	CUE-1AP/1A/1
	CN106	EQ-45A/45
	CN110	DIF-16
(3/6)	CN113	VPR-1
	CN114	
	CN115	
(4/6)	CN116	DPR-36
	CN117	
	CN118	
(5/6)	CN119	APR-1
	CN120	
	CN121	
(6/6)	CN122	SS-52A/52
	CN123	
	CN124	
(5/6)	CN130	RS232C CONNECTOR
	CN131	VIDEO CONTROL CONNECTOR
	CN132	REMOTE 1 IN(9P) CONNECTOR
(6/6)	CN133	REMOTE 1 OUT(9P) CONNECTOR
	CN134	CONTROL PANEL CONNECTOR
(3/6)	CN135	CP-218 (CN412)
	CN136	(CN413)
(5/6)	CN137	CP-220 (CN404)
	CN138	CP-218 (CN414)
	CN139	(CN415)
(2/6)	CN140	(CN402)
	CN142	(CN400)
	CN143	(CN401)
(5/6)	CN144	(CN403)
	CN145	VR-152 (CN512)
	CN147	FP-58 (CN500)
(6/6)	CN148	SWC-19 (CN148)
	CN149	HN-181 (CN201)
	CN150	FAN MOTOR(R)
(6/6)	CN151	(CN201)
	CN152	SWITCHING REGULATOR (CN202)
	CN153	(CN206)
(1/6)	CN154	HN-181 (CN205)
	CN155	NO CONNECTION
	CN156	SWITCHING REGULATOR (CN203)
(1/6)	CN160	CN161 OF MB-441
	CN161	CN160 OF MB-441



FOR TBC-24 BOARD

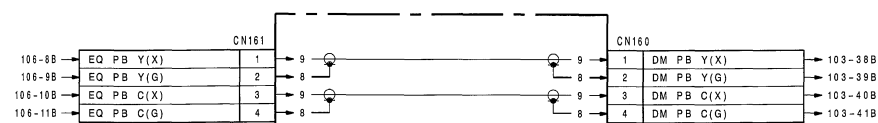
TBC BOARD		CN102		TBC BOARD	
SHEET No.	A	B	SHEET No.	A	B
(1/3)	GND	1 GND	(1/3)	GND	1 GND
(1/3)	GND	2 GND	(1/3)	GND	2 GND
(1/3)	REG +8V	3 REG +8V	(1/3)	REG +8V	3 REG +8V
(1/3)	REG -8V	4 REG -8V	(1/3)	REG -8V	4 REG -8V
(1/3)	REG +5V	5 REG +5V	(1/3)	REG +5V	5 REG +5V
(1/3)	REG +3.3V	6 REG +3.3V	(1/3)	REG +3.3V	6 REG +3.3V
(1/3)	Y DATA 1	7 Y DATA 0	(1/3)	Y DATA 1	7 Y DATA 0
(1/3)	Y DATA 3	8 Y DATA 2	(1/3)	Y DATA 3	8 Y DATA 2
(1/3)	Y DATA 5	9 Y DATA 4	(1/3)	Y DATA 5	9 Y DATA 4
(1/3)	Y DATA 7	10 Y DATA 6	(1/3)	Y DATA 7	10 Y DATA 6
(1/3)	Y DATA 9	11 Y DATA 8	(1/3)	Y DATA 9	11 Y DATA 8
(2/3)	Y GATED WCK	12 Y WZ	(2/3)	Y GATED WCK	12 Y WZ
(1/3)	Y WCLP	13 Y ADV WZ	(2/3)	Y WCLP	13 Y ADV WZ
(2/3)	Y TBC PB SYNC	14 L;Y GUARD BAND	(2/3)	Y TBC PB SYNC	14 L;Y GUARD BAND
(2/3)	Y SHW	15 Y PDS CONT	(1/3)	Y SHW	15 Y PDS CONT
(2/3)	Y SDO	16 Y SPD PWM	(2/3)	Y SDO	16 Y SPD PWM
(2/3)	VISC DET	17 DM TBC SS JP0	(2/3)	VISC DET	17 DM TBC SS JP0
(2/3)	ADV Y SW PLS	18 L;PB NO SIG	(2/3)	ADV Y SW PLS	18 L;PB NO SIG
(1/3)	L;F-BID	19 Y W CLAMP PLS	(1/3)	L;F-BID	19 Y W CLAMP PLS
(2/3)	SERVO V	20 TBC SPEED	(2/3)	SERVO V	20 TBC SPEED
(2/3)	SCH TRACKING	21 GND	(1/3)	SCH TRACKING	21 GND
(2/3)	PB V	22 GND	(1/3)	PB V	22 GND
(2/3)	Y WRITE V	23 GND	(1/3)	Y WRITE V	23 GND
(1/3)	TBC DIAG 1	24 GND	(1/3)	TBC DIAG 1	24 GND
(1/3)	TBC DIAG 2	25 Y DEMOD(X)	(1/3)	TBC DIAG 2	25 Y DEMOD(X)
(1/3)	TBC DIAG 3	26 Y DEMOD(G)	(1/3)	TBC DIAG 3	26 Y DEMOD(G)
(1/3)	TBC DIAG 4	27 NC	(2/3)	TBC DIAG 4	27 NC
(3/3)	Y/C DL CONT	28 C DEMOD(X)	(1/3)	Y/C DL CONT	28 C DEMOD(X)
(3/3)	C WRITE V	29 C DEMOD(G)	(1/3)	C WRITE V	29 C DEMOD(G)
(3/3)	ADV C SW PLS	30 NC	(2/3)	ADV C SW PLS	30 NC
(3/3)	DM TBC SS JP1	31 C SH	(3/3)	DM TBC SS JP1	31 C SH
(3/3)	C SDO	32 C W CLAMP PLS	(1/3)	C SDO	32 C W CLAMP PLS
(3/3)	C SHW	33 C PDS CONT	(1/3)	C SHW	33 C PDS CONT
(3/3)	C PB SYNC	34 L;C GUARD BAND	(3/3)	C PB SYNC	34 L;C GUARD BAND
(1/3)	C WCLP	35 C ADV WZ	(3/3)	C WCLP	35 C ADV WZ
(3/3)	C GATED WCK	36 C WZ	(3/3)	C GATED WCK	36 C WZ
(1/3)	C DATA 1	37 C DATA 0	(1/3)	C DATA 1	37 C DATA 0
(1/3)	C DATA 3	38 C DATA 2	(1/3)	C DATA 3	38 C DATA 2
(1/3)	C DATA 5	39 C DATA 4	(1/3)	C DATA 5	39 C DATA 4
(1/3)	C DATA 7	40 C DATA 6	(1/3)	C DATA 7	40 C DATA 6
(1/3)	C DATA 9	41 C DATA 8	(1/3)	C DATA 9	41 C DATA 8
(2/3)	Y PB SYNC	42 C GBD	(3/3)	Y PB SYNC	42 C GBD
(3/3)	TBC VPR JP5	43 L;Y DO PLS	(1/3)	TBC VPR JP5	43 L;Y DO PLS
(2/3)	TBC VD 2	44 L;Y SDO PLS	(1/3)	TBC VD 2	44 L;Y SDO PLS
(3/3)	TBC VPR JP7	45 L;C DO PLS	(1/3)	TBC VPR JP7	45 L;C DO PLS
(3/3)	TBC VPR JP1	46 L;C SDO PLS	(1/3)	TBC VPR JP1	46 L;C SDO PLS
(3/3)	TBC VPR JP2	47 CNF AC FREQ	(2/3)	TBC VPR JP2	47 CNF AC FREQ
(1/3)	L;Y PCM MUTE	48 NC	(2/3)	L;Y PCM MUTE	48 NC
(1/3)	L;C PCM MUTE	49 H;SV LOCK	(2/3)	L;C PCM MUTE	49 H;SV LOCK
(1/3)	H;OSC ON	50 L;METAL/H;OXIDE	(3/3)	H;OSC ON	50 L;METAL/H;OXIDE
(1/3)	DM TBC JP1	51 H;NTSC/L;PAL	(3/3)	DM TBC JP1	51 H;NTSC/L;PAL
(2/3)	NC	52 NC	(2/3)	NC	52 NC
(2/3)	NC	53 NC	(2/3)	NC	53 NC
(1/3)	AP TBC JP0	54 NC	(2/3)	AP TBC JP0	54 NC
(1/3)	AP TBC JP1	55 NC	(2/3)	AP TBC JP1	55 NC
(2/3)	NC	56 NC	(2/3)	NC	56 NC
(1/3)	REG +15V	57 REG +15V	(1/3)	REG +15V	57 REG +15V
(1/3)	REG -15V	58 REG -15V	(1/3)	REG -15V	58 REG -15V
(1/3)	GND	59 GND	(1/3)	GND	59 GND
(1/3)	GND	60 GND	(1/3)	GND	60 GND

FOR DM-89 BOARD

DM BOARD		CN103		DM BOARD	
SHEET No.	A	B	SHEET No.	A	B
(4/4)	GND	1 GND	(4/4)	GND	1 GND
(4/4)	GND	2 GND	(4/4)	GND	2 GND
(4/4)	REG +8V	3 REG +8V	(4/4)	REG +8V	3 REG +8V
(4/4)	REG -8V	4 REG -8V	(4/4)	REG -8V	4 REG -8V
(4/4)	REG +5V	5 REG +5V	(4/4)	REG +5V	5 REG +5V
(4/4)	REG +3.3V	6 REG +3.3V	(4/4)	REG +3.3V	6 REG +3.3V
(4/4)	NC	7 NC	(4/4)	NC	7 NC
(4/4)	NC	8 NC	(4/4)	NC	8 NC
(4/4)	NC	9 NC	(4/4)	NC	9 NC
(4/4)	ADV C SW PLS	10 L;NOISELESS PB	(4/4)	ADV C SW PLS	10 L;NOISELESS PB
(4/4)	NC	11 NC	(4/4)	NC	11 NC
(4/4)	NC	12 NC	(4/4)	NC	12 NC
(4/4)	NC	13 NC	(4/4)	NC	13 NC
(2/4)	L;Y DO	14 L;C DO	(2/4)	L;Y DO	14 L;C DO
(4/4)	L;METAL/H;OXIDE	15 NC	(4/4)	L;METAL/H;OXIDE	15 NC
(1/4)	L;Y DO PLS	16 L;C DO PLS	(2/4)	L;Y DO PLS	16 L;C DO PLS
(4/4)	H;Y PEDESTAL INS	17 H;C PEDESTAL INS	(4/4)	H;Y PEDESTAL INS	17 H;C PEDESTAL INS
(4/4)	H;Y REF INS	18 H;C REF INS	(4/4)	H;Y REF INS	18 H;C REF INS
(3/4)	Y W CLAMP PLS	19 L;PB NO SIG	(3/4)	Y W CLAMP PLS	19 L;PB NO SIG
(3/4)	C W CLAMP PLS	20 TBC SPEED	(3/4)	C W CLAMP PLS	20 TBC SPEED
(4/4)	NC	21 NC	(4/4)	NC	21 NC
(4/4)	H;AFM MUTE	22 H;LAU MUTE	(4/4)	H;AFM MUTE	22 H;LAU MUTE
(4/4)	H;NR ON	23 NC	(4/4)	H;NR ON	23 NC
(4/4)	NC	24 NC	(4/4)	NC	24 NC
(2/3)	GND	25 GND	(4/4)	GND	25 GND
(3/4)	Y DEMOD(X)	26 GND	(4/4)	Y DEMOD(X)	26 GND
(3/4)	Y DEMOD(G)	27 GND	(4/4)	Y DEMOD(G)	27 GND
(3/4)	C DEMOD(X)	28 GND	(4/4)	C DEMOD(X)	28 GND
(3/4)	C DEMOD(G)	29 GND	(4/4)	C DEMOD(G)	29 GND
(4/4)	NC	30 NC	(4/4)	NC	30 NC
(1/4)	Y RF ENVELOPE(X)	31 NC	(4/4)	Y RF ENVELOPE(X)	31 NC
(1/4)	Y RF ENVELOPE(G)	32 NC	(4/4)	Y RF ENVELOPE(G)	32 NC
(2/4)	C RF ENVELOPE(X)	33 NC	(4/4)	C RF ENVELOPE(X)	33 NC
(2/4)	C RF ENVELOPE(G)	34 NC	(4/4)	C RF ENVELOPE(G)	34 NC
(4/4)	NC	35 NC	(4/4)	NC	35 NC
(1/4)	DM SS JP2	36 NC	(4/4)	DM SS JP2	36 NC
(1/4)	DM SS JP3	37 NC	(4/4)	DM SS JP3	37 NC
(1/4)	GND	38 DM PB Y(X)	(1/4)	GND	38 DM PB Y(X)
(1/4)	GND	39 DM PB Y(G)	(1/4)	GND	39 DM PB Y(G)
(2/4)	GND	40 DM PB C(X)	(2/4)	GND	40 DM PB C(X)
(2/4)	GND	41 DM PB C(G)	(2/4)	GND	41 DM PB C(G)
(2/4)	C RF(X)	42 DM SS JP0	(4/4)	C RF(X)	42 DM SS JP0
(2/4)	C RF(G)	43 DM SS JP1	(4/4)	C RF(G)	43 DM SS JP1
(1/4)	L;RF Y VBLK	44 H;FAST SEARCH	(4/4)	L;RF Y VBLK	44 H;FAST SEARCH
(2/4)	L;RF C VBLK	45 L;SLOW BID	(4/4)	L;RF C VBLK	45 L;SLOW BID
(4/4)	NC	46 L;Y PCM MUTE	(3/4)	NC	46 L;Y PCM MUTE
(3/4)	CNF AC FREQ	47 L;C PCM MUTE	(3/4)	CNF AC FREQ	47 L;C PCM MUTE
(3/4)	DM TBC SS JP0	48 ADV Y SW PLS	(3/4)	DM TBC SS JP0	48 ADV Y SW PLS
(3/4)	DM TBC SS JP1	49 ADV C SW PLS	(3/4)	DM TBC SS JP1	49 ADV C SW PLS
(2/4)	H;OSC ON	50 DM TBC JP1	(2/4)	H;OSC ON	50 DM TBC JP1
(4/4)	SYIF2 SCR	51 SYIF2 CMD	(4/4)	SYIF2 SCR	51 SYIF2 CMD
(4/4)	SYIF2 RES	52 SYIF2 RDY	(4/4)	SYIF2 RES	52 SYIF2 RDY
(4/4)	L;DM CS	53 L;SYS RESET	(4/4)	L;DM CS	53 L;SYS RESET
(4/4)	L;REF CK ERROR	54 L;PLL ERROR	(4/4)	L;REF CK ERROR	54 L;PLL ERROR
(4/4)	L;W/R TIM ERROR	55 L;SQL ON	(4/4)	L;W/R TIM ERROR	55 L;SQL ON
(4/4)	NC	56 NC	(4/4)	NC	56 NC
(4/4)	REG +15V	57 REG +15V	(4/4)	REG +15V	57 REG +15V
(4/4)	REG -15V	58 REG -15V	(4/4)	REG -15V	58 REG -15V
(4/4)	GND	59 GND	(4/4)	GND	59 GND
(4/4)	GND	60 GND	(4/4)	GND	60 GND

FOR AP-28 BOARD

DM BOARD		CN104		DM BOARD	
SHEET No.	A	B	SHEET No.	A	B
(1/3)	GND	1 GND	(1/3)	GND	1 GND
(1/3)	GND	2 GND	(1/3)	GND	2 GND
(1/3)	REG +8V	3 REG +8V	(1/3)	REG +8V	3 REG +8V
(1/3)	REG -8V	4 REG -8V	(1/3)	REG -8V	4 REG -8V
(1/3)	REG +5V	5 REG +5V	(1/3)	REG +5V	5 REG +5V
(1/3)	REG +3.3V	6 REG +3.3V	(1/3)	REG +3.3V	6 REG +3.3V
(3/3)	NC	7 NC	(3/3)	NC	7 NC
(3/3)	NC	8 NC	(3/3)	NC	8 NC
(2/3)	AP TBC JP0	9 AP TBC JP1	(2/3)	AP TBC JP0	9 AP TBC JP1
(2/3)	ADV C SW PLS	10 AP DM JP1	(2/3)	ADV C SW PLS	10 AP DM JP1
(3/3)	NC	11 NC	(3/3)	NC	11 NC
(2/3)	REF CK 27(X)	12 NC	(3/3)	REF CK 27(X)	12 NC
(2/3)	REF CK 27(G)	13 NC	(3/3)	REF CK 27(G)	13 NC
(2/3)	Y PB SYNC	14 NC	(3/3)	Y PB SYNC	14 NC
(2/3)	C GBD	15 NC	(3/3)	C GBD	15 NC
(2/3)	C SH	16 NC	(3/3)	C SH	16 NC
(3/3)	NC	17 DT V	(2/3)	NC	17 DT V
(2/3)	L;REF CK ERROR	18 ANA O/E	(2/3)	L;REF CK ERROR	18 ANA O/E
(2/3)	L;PLL ERROR	19 NC	(3/3)	L;PLL ERROR	19 NC
(2/3)	L;W/R TIM ERROR	20 NC	(3/3)	L;W/R TIM ERROR	20 NC
(3/3)	L;SQL ON	21 H;SV LOCK	(3/3)	L;SQL ON	21 H;SV LOCK
(2/3)	L;Y DO PLS	22 L;NOISELESS PB	(2/3)	L;Y DO PLS	22 L;NOISELESS PB
(2/3)	H;AFM MUTE	23 H;DIGITAL/L;ANALOG	(2/3)	H;AFM MUTE	23 H;DIGITAL/L;ANALOG
(1/3)	H;LAU MUTE	24 H;METAL/L;OXIDE	(2/3)	H;LAU MUTE	24 H;METAL/L;OXIDE
(1/3)	H;NR ON	25 H;NTSC/L;PAL	(2/3)	H;NR ON	25 H;NTSC/L;PAL
(2/3)	GND	26 GND	(2/3)	GND	26 GND
(2/3)	GND	27 GND	(2/3)	GND	27 GND
(2/3)	GND	28 GND	(2/3)	GND	28 GND
(2/3)	C RF(X)	29 C RF(G)	(2/3)	C RF(X)	29 C RF(G)
(2/3)	GND	30 GND	(2/3)	GND	30 GND
(3/3)	NC	31 NC	(3/3)	NC	31 NC
(3/3)	NC	32 NC	(3/3)	NC	32 NC
(3/3)	NC	33 NC	(3/3)	NC	33 NC
(3/3)	NC	34 NC	(3/3)	NC	34 NC
(3/3)	NC	35 NC	(3/3)	NC	35 NC
(3/3)	NC	36 NC	(3/3)	NC	36 NC
(3/3)	NC	37 NC	(3/3)	NC	37 NC
(1/3)	GND	38 GND	(1/3)	GND	38 GND
(1/3)	PB CH-2 SIG(X)	39 PB CH-2 SIG(G)	(1/3)	PB CH-2 SIG(X)	39 PB CH-2 SIG(G)
(1/3)	GND	40 GND	(1/3)	GND	40 GND
(1/3)	PB CH-1 SIG(X)	41 PB CH-1 SIG(G)	(1/3)	PB CH-1 SIG(X)	41 PB CH-1 SIG(G)
(1/3)	GND	42 GND	(1/3)	GND	42 GND
(3/3)	NC	43 NC	(3/3)	NC	43 NC
(3/3)	NC	44 NC	(3/3)	NC	44 NC
(3/3)	NC	45 NC	(3/3)	NC	45 NC
(1/3)	GND	46 GND	(1/3)	GND	46 GND
(1/3)	B PB CH-1(X)	47 B PB CH-1(G)	(1/3)	B PB CH-1(X)	47 B PB CH-1(G)
(1/3)	GND	48 GND	(1/3)	GND	48 GND
(1/3)	B PB CH-2(X)	49 B PB CH-2(G)	(1/3)	B PB CH-2(X)	49 B PB CH-2(G)
(3/3)	GND	50 GND	(3/3)	GND	50 GND
(3/3)	B PB CH-3(X)	51 B PB CH-3(G)	(3/3)	B PB CH-3(X)	51 B PB CH-3(G)
(3/3)	GND	52 GND	(3/3)	GND	52 GND
(3/3)	B PB CH-4(X)	53 B PB CH-4(G)	(3/3)	B PB CH-4(X)	53 B PB CH-4(G)
(3/3)	GND	54 GND	(3/3)	GND	54 GND
(3/3)	NC	55 NC	(3/3)	NC	55 NC
(3/3)	NC	56 NC	(3/3)	NC	56 NC
(1/3)	REG +15V	57 REG +15V	(1/3)	REG +15V	57 REG +15V
(1/3)	REG -15V	58 REG -15V	(1/3)	REG -15V	58 REG -15V
(1/3)	GND	59 GND	(1/3)	GND	59 GND
(1/3)	GND	60 GND	(1/3)	GND	60 GND



MB-441A MCB: MOUNTED AS DESIGN
MB-441 MCB : NO MOUNTED

Mother board

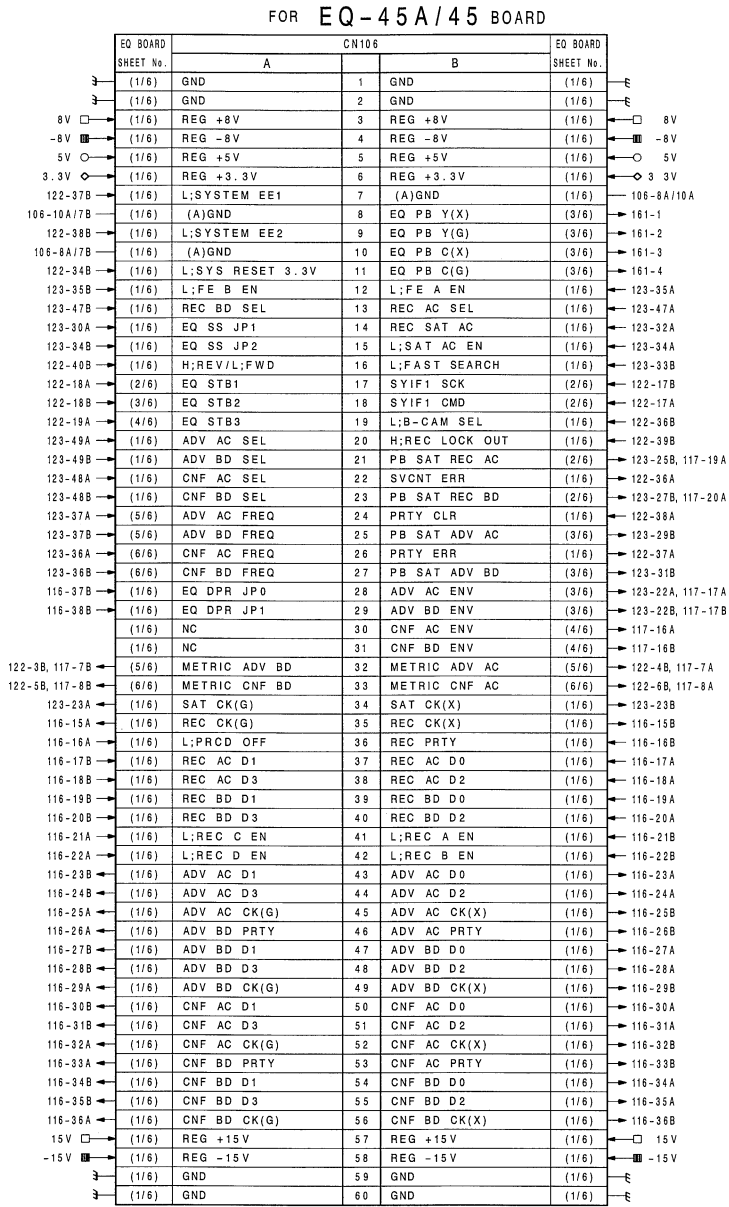
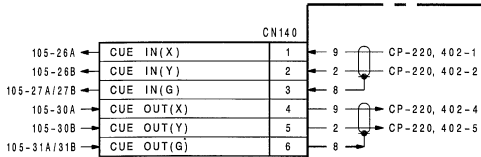
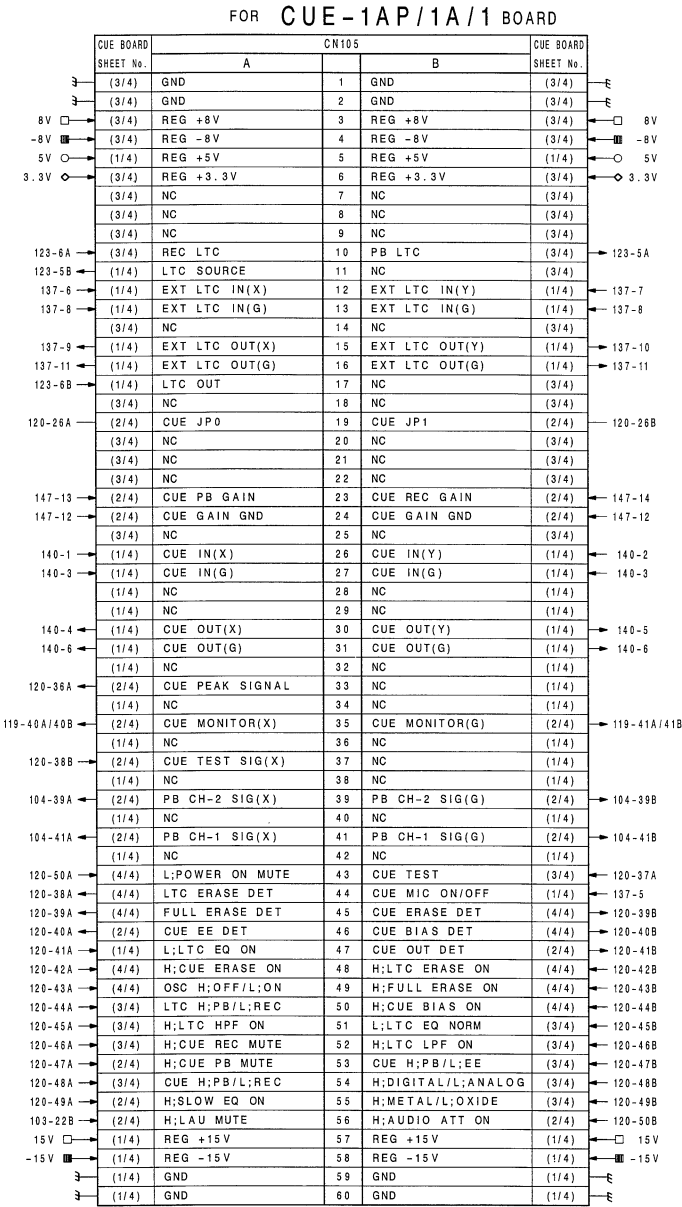
MB-441 BOARD (1/6)

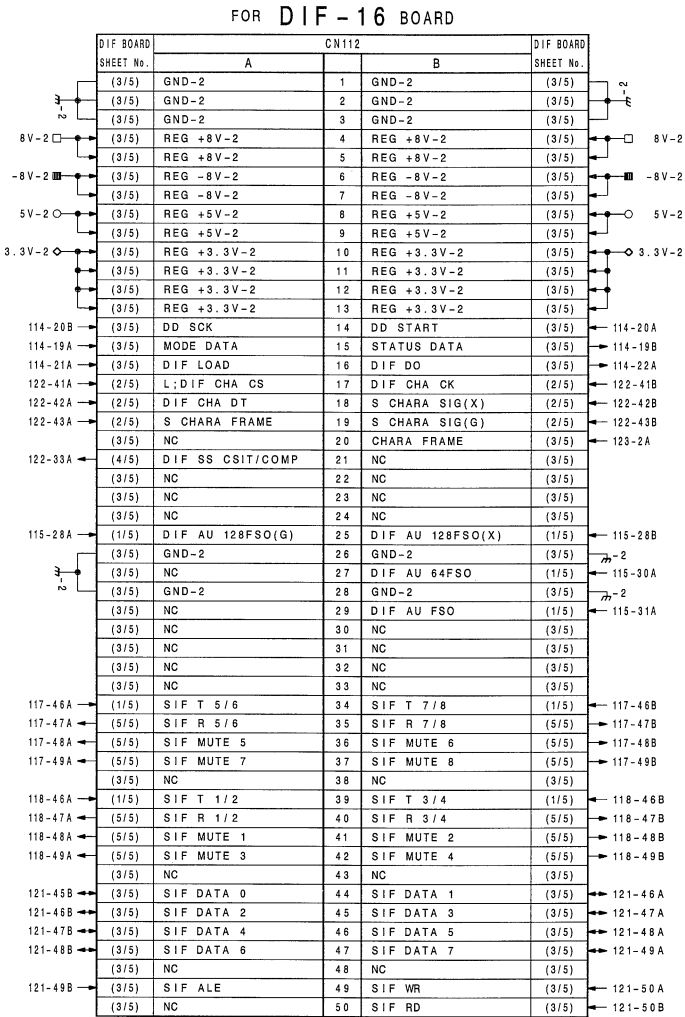
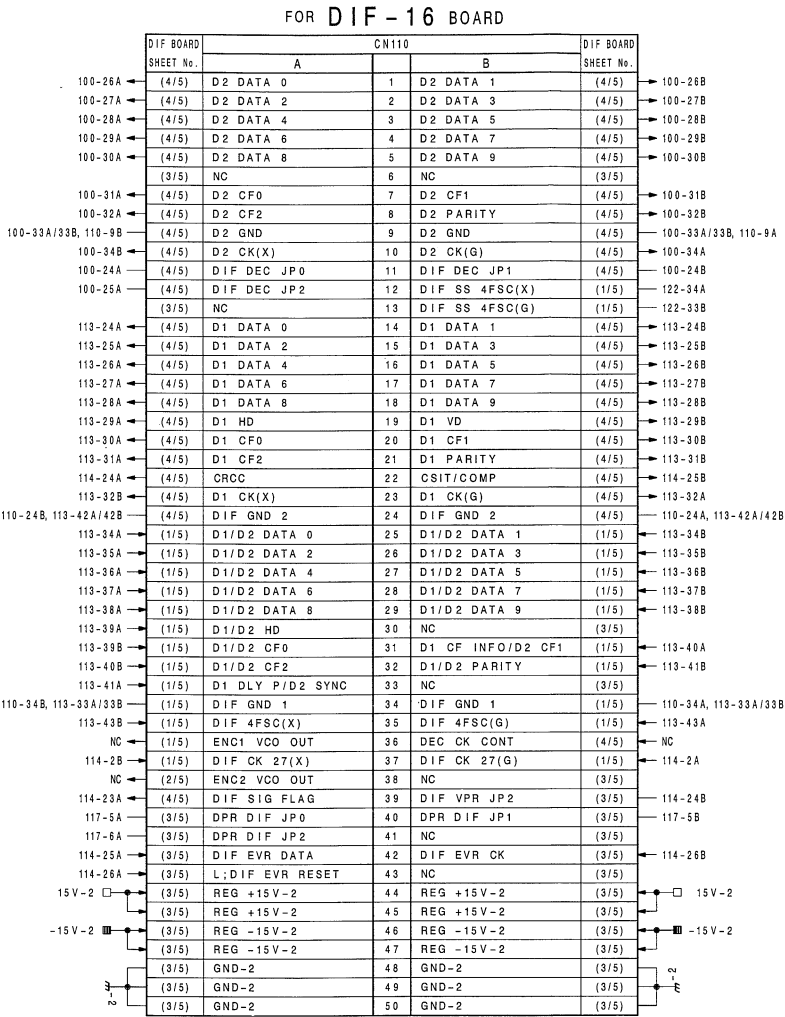
LOT NO.	BOARD NO.
302-306	1-648-560-11
307-402	1-648-560-12
403-	1-648-560-13

BOARD NO. 1-648-560-11, 12, 13
BOARD'S LOT NO. 302-
DVW-A500(J, UC) :MB-441A MCB
DVW-A500P(EK) :MB-441A MCB
DVW-A500P(UC) :MB-441A MCB
DVW-500 (J, UC) :MB-441 MCB
DVW-500P (EK) :MB-441 MCB
DVW-500P (UC) :MB-441 MCB

DVW-MB441-ALL-REC-S/M-03

MB-441 BOARD		CONNECTION	
SHEET No.	REF. No.		
(1/6)	CN100	DEC-65	BKDW-505/506
	CN101	TBC-23	DVW-A500/A500P ONLY (MB-441A MCB)
	CN102	TBC-24	
	CN103	DM-89	
	CN104	AP-28	
(2/6)	CN105	CUE-1AP/1A/1	
	CN106	EQ-45A/45	
	CN110	DIF-16	
(3/6)	CN113	VPR-1	
	CN114		
	CN115		
(4/6)	CN116	DPR-36	
	CN117		
	CN118		
(5/6)	CN119	APR-1	
	CN120		
	CN121		
(6/6)	CN122	SS-52A/52	
	CN123		
	CN124		
(5/6)	CN130	RS232C CONNECTOR	
	CN131	VIDEO CONTROL CONNECTOR	
	CN132	REMOTE 1 IN(9P) CONNECTOR	
(6/6)	CN133	REMOTE 1 OUT(9P) CONNECTOR	
	CN134	CONTROL PANEL CONNECTOR	
(3/6)	CN135	CP-218	(CN412)
	CN136		(CN413)
	CN137	CP-220	(CN404)
(5/6)	CN138	CP-218	(CN414)
	CN139		(CN415)
(2/6)	CN140		(CN402)
	CN142	CP-220	(CN400)
	CN143		(CN401)
(5/6)	CN144		(CN403)
	CN145	VR-152	(CN512)
	CN147	FP-58	(CN500)
(6/6)	CN148	SWC-19	(CN148)
	CN149	HN-181	(CN201)
	CN150	FAN MOTOR(R)	
(6/6)	CN151	SWITCHING REGULATOR (CN201)	
	CN152		
	CN153		
(1/6)	CN154	HN-181	(CN205)
	CN155	NO CONNECTION	
	CN156	SWITCHING REGULATOR (CN203)	
(1/6)	CN160	CN161 OF MB-441	
	CN161	CN160 OF MB-441	





LOT NO.	BOARD NO.
302-306	1-648-560-11
307-402	1-648-560-12
403-	1-648-560-13

Mother board

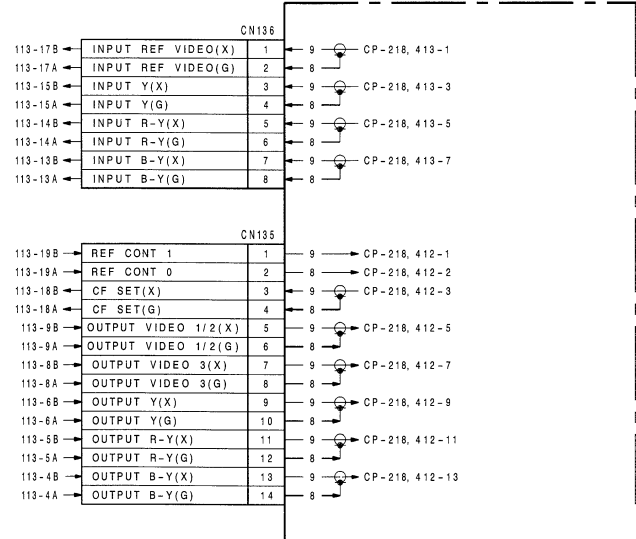
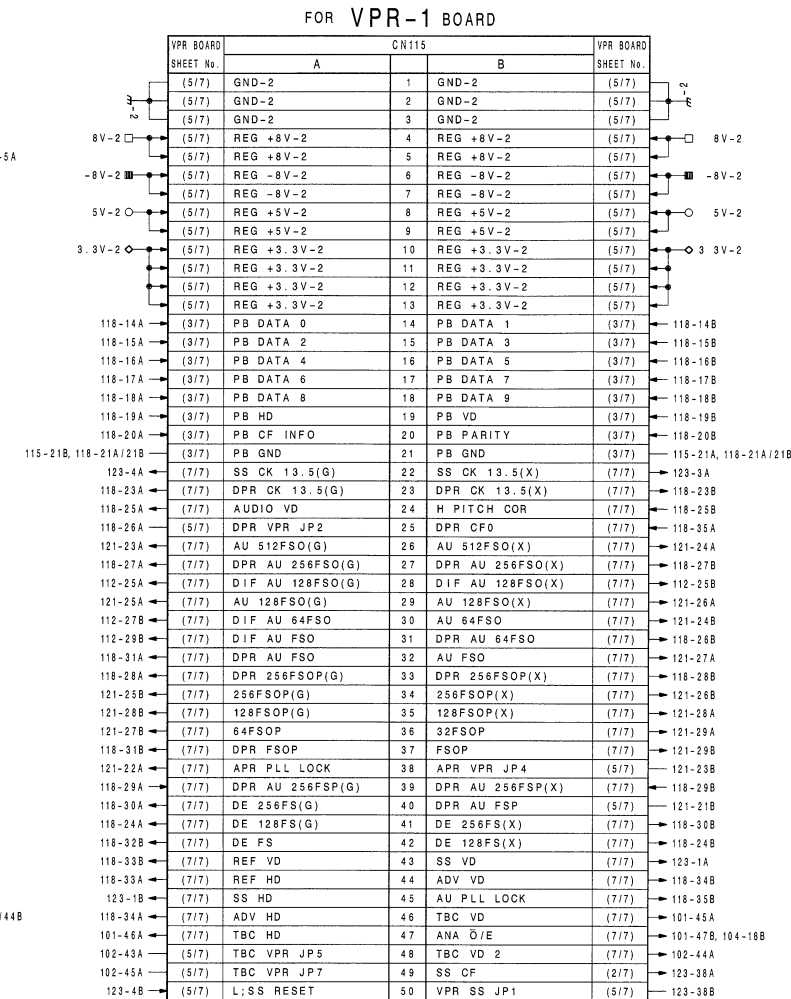
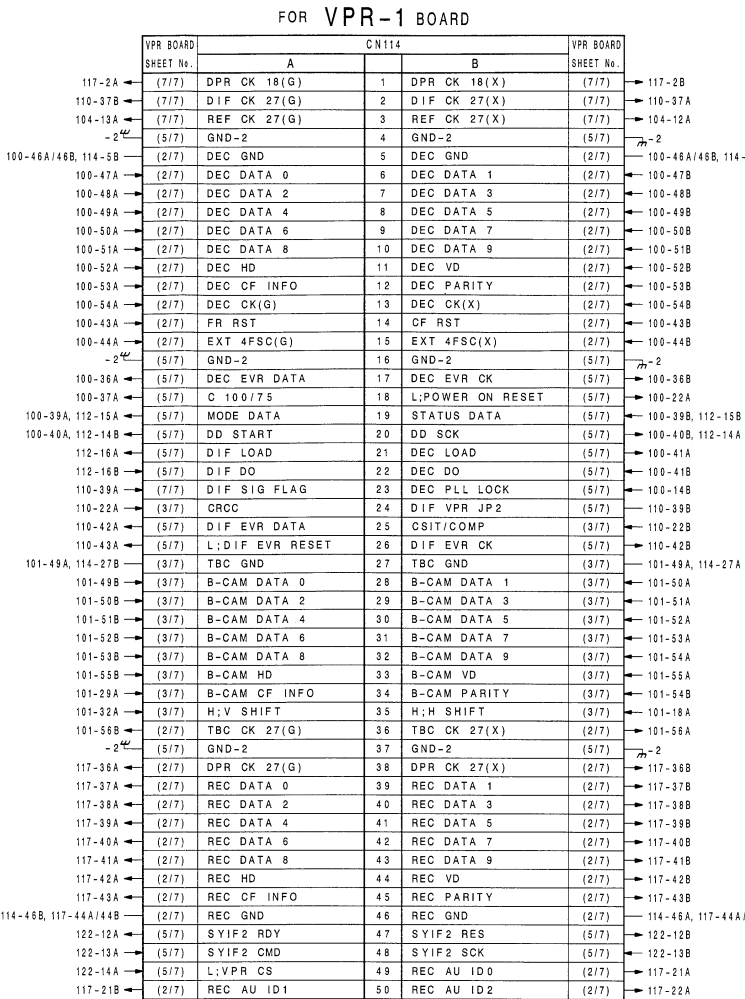
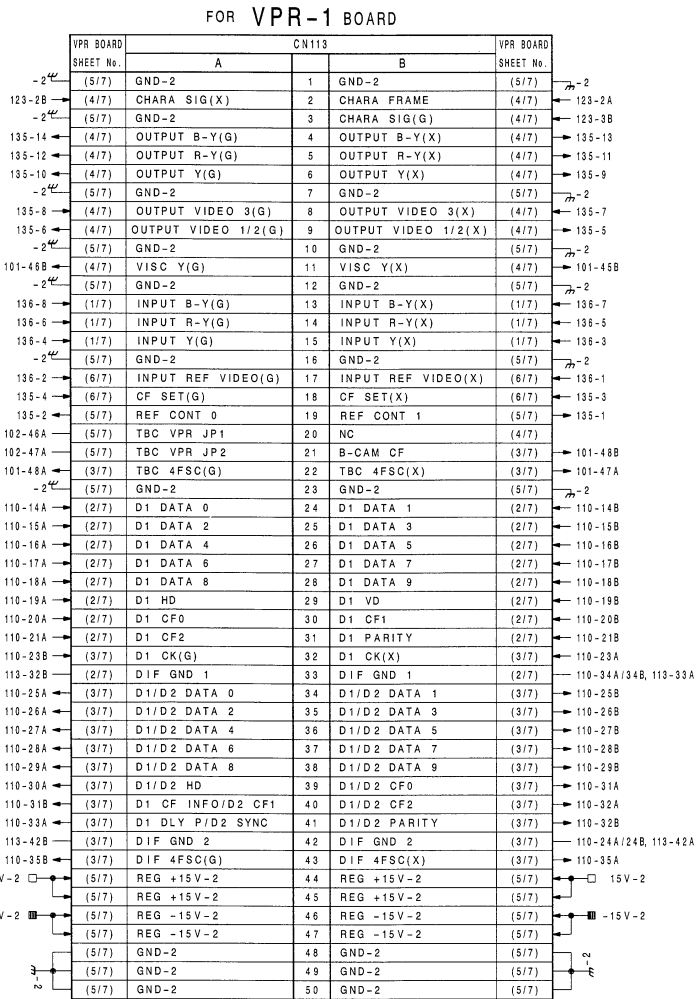
MB-441 BOARD (2/6)

BOARD NO. 1-648-560-11, 12, 13
BOARD' S LOT NO. 302-
DVW-A500(J, UC) :MB-441A MCB
DVW-A500P(EK) :MB-441A MCB
DVW-A500P(UC) :MB-441A MCB
DVW-500 (J, UC) :MB-441 MCB
DVW-500P (EK) :MB-441 MCB
DVW-500P (UC) :MB-441 MCB

DVW-MB441-ALL-REC-S/M-04

CN105
CN108
CN110
CN112
CN140

MB-441 BOARD			
SHEET No.	REF. No.	CONNECTION	
(1/6)	CN100	DEC-65	BKDW-505/506
	CN101	TBC-23	DVW-A500/A500P ONLY (MB-441A MCB)
	CN102	TBC-24	
	CN103	DM-89	
	CN104	AP-28	
(2/6)	CN105	CUE-1AP/1A/1	
	CN106	EQ-45A/45	
	CN110	DIF-16	
(3/6)	CN113	VPR-1	
	CN114		
	CN115		
(4/6)	CN116		
	CN117	DPR-36	
	CN118		
(5/6)	CN119		
	CN120	APR-1	
	CN121		
(6/6)	CN122		
	CN123	SS-52A/52	
	CN124		
(6/6)	CN130	RS232C CONNECTOR	
	CN131	VIDEO CONTROL CONNECTOR	
	CN132	REMOTE 1 IN(9P) CONNECTOR	
(6/6)	CN133	REMOTE 1 OUT(9P) CONNECTOR	
	CN134	CONTROL PANEL CONNECTOR	
(3/6)	CN135	CP-218	(CN412)
	CN136		(CN413)
	CN137	CP-220	(CN404)
(1/6)	CN138	CP-218	(CN414)
	CN139		(CN415)
(2/6)	CN140		(CN402)
	CN142	CP-220	(CN400)
	CN143		(CN401)
(5/6)	CN144		(CN403)
	CN145	VR-152	(CN512)
	CN147	FP-58	(CN500)
(1/6)	CN148	SWC-19	(CN148)
	CN149	HN-181	(CN201)
(6/6)	CN150	FAN MOTOR(R)	
	CN151		(CN201)
	CN152	SWITCHING REGULATOR	(CN202)
(1/6)	CN153		(CN206)
	CN154	HN-181	(CN205)
	CN155	NO CONNECTION	
(1/6)	CN156	SWITCHING REGULATOR	(CN203)
	CN160	CN161 OF MB-441	
	CN161	CN160 OF MB-441	



LOT NO.	BOARD NO.
302-306	1-648-560-11
307-402	1-648-560-12
403-	1-648-560-13

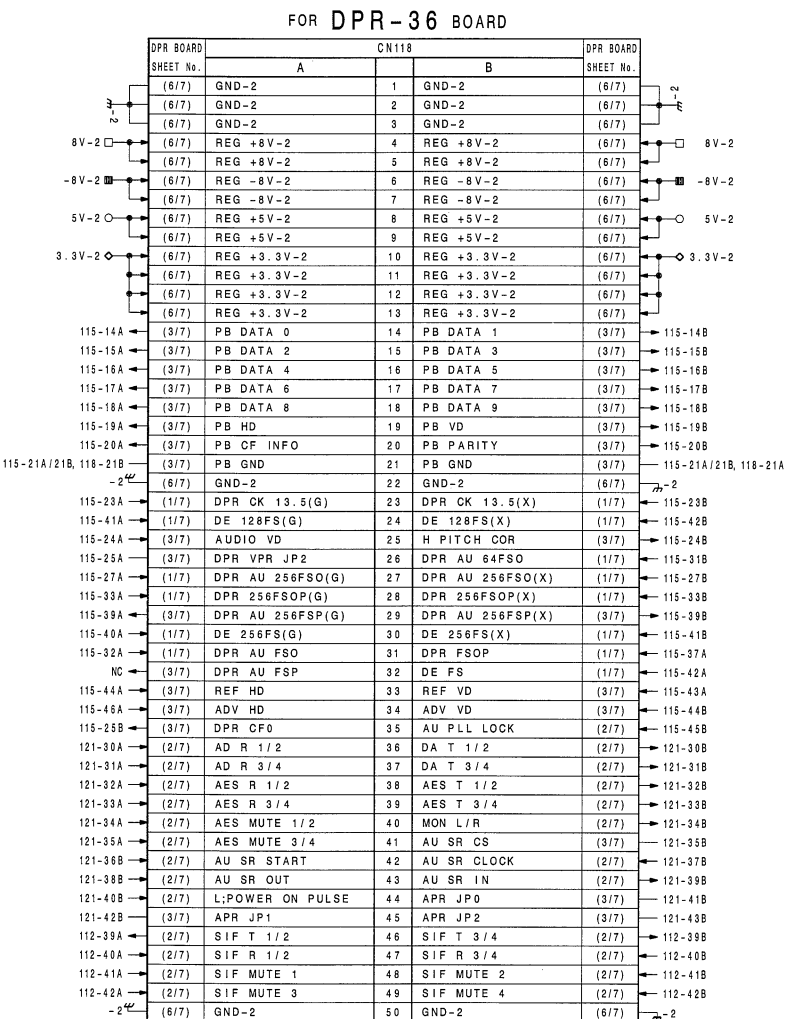
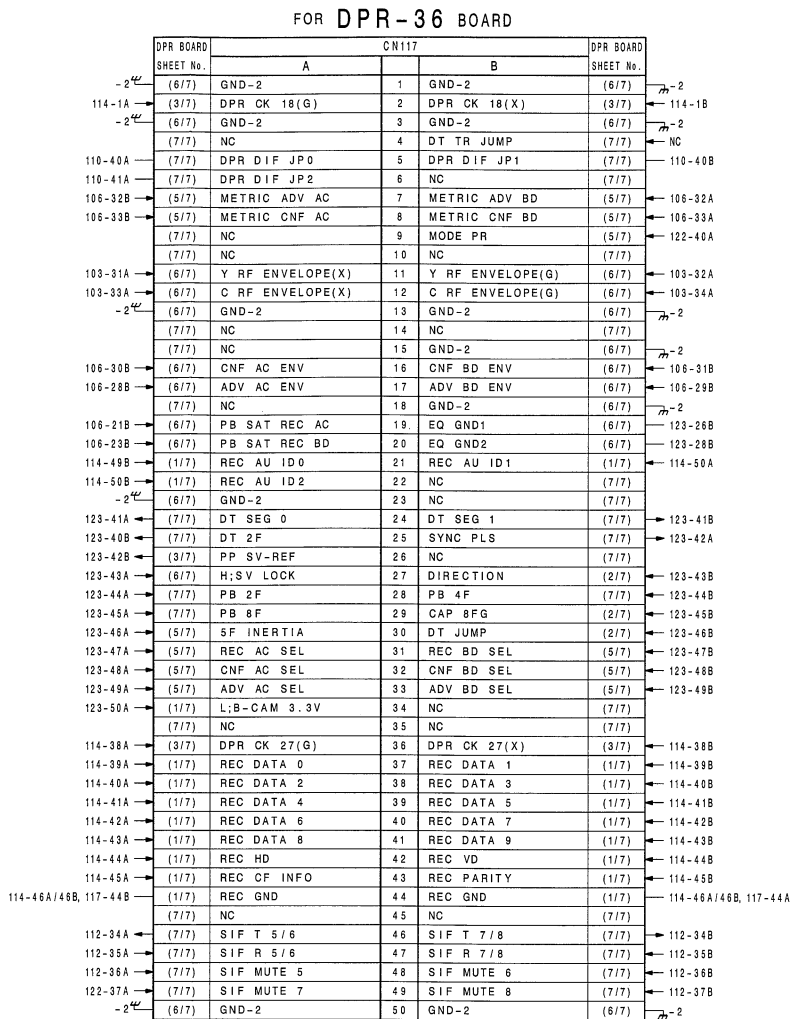
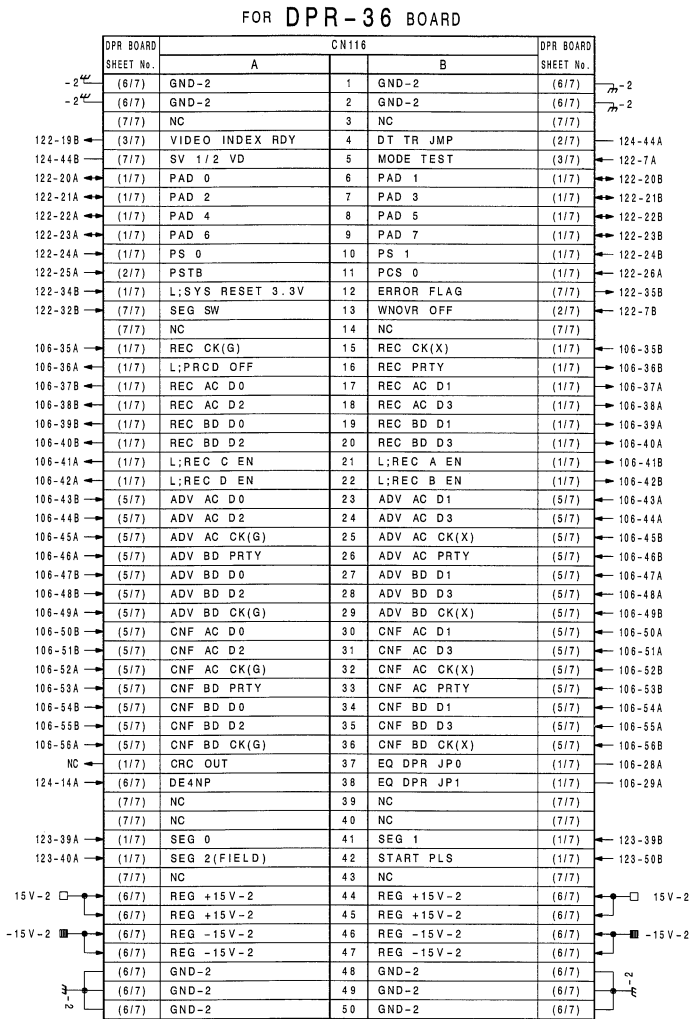
Mother board
MB-441 BOARD (3/6)

BOARD NO. 1-648-560-11, 12, 13
BOARD' S LOT NO. 302-
DVW-A500(J, UC) :MB-441A MCB
DVW-A500P(EK) :MB-441A MCB
DVW-A500P(UC) :MB-441A MCB
DVW-500 (J, UC) :MB-441 MCB
DVW-500P (EK) :MB-441 MCB
DVW-500P (UC) :MB-441 MCB

CN113
CN114
CN115
CN135
CN136

DVW-MB441-ALL-REC-S/M-05

MB-441 BOARD			
SHEET No.	REF. No.	CONNECTION	
(1/6)	CN100	DEC-65	BKDW-505/506
	CN101	TBC-23	DVW-A500/A500P ONLY (MB-441A MCB)
	CN102	TBC-24	
	CN103	DM-89	
(2/6)	CN104	AP-28	CUE-1AP/1A/1 EQ-45A/45
	CN105		
	CN106		
	CN110		
(3/6)	CN112	DIF-16	VPR-1
	CN113		
	CN114		
	CN115		
(4/6)	CN116	DPR-36	APR-1
	CN117		
	CN118		
	CN119		
(5/6)	CN120	SS-52A/52	RS232C CONNECTOR
	CN121		
	CN122		
	CN123		
(6/6)	CN124	VIDEO CONTROL CONNECTOR	REMOTE 1 IN(9P) CONNECTOR
	CN130		
	CN131		
	CN132		
(7/6)	CN133	REMOTE 1 OUT(9P) CONNECTOR	CONTROL PANEL CONNECTOR
	CN134		
	CN135		
	CN136		
(8/6)	CN137	CP-218	(CN412)
	CN138	CP-220	(CN413)
	CN139	CP-218	(CN414)
	CN140	CP-218	(CN415)
(9/6)	CN141	CP-220	(CN402)
	CN142		(CN400)
	CN143		(CN401)
	CN144		(CN403)
(10/6)	CN145	VR-152	(CN512)
	CN147	FP-58	(CN500)
	CN148	SWC-19	(CN148)
	CN149	HN-181	(CN201)
(11/6)	CN150	FAN MOTOR(R)	SWITCHING REGULATOR (CN201)
	CN151		
	CN152		
	CN153		
(12/6)	CN154	HN-181	(CN205)
	CN155	NO CONNECTION	
	CN156	SWITCHING REGULATOR (CN203)	
	CN160	CN161 OF MB-441	
(13/6)	CN161	CN160 OF MB-441	



LOT NO.	BOARD NO.
302-306	1-648-560-11
307-402	1-648-560-12
403-	1-648-560-13

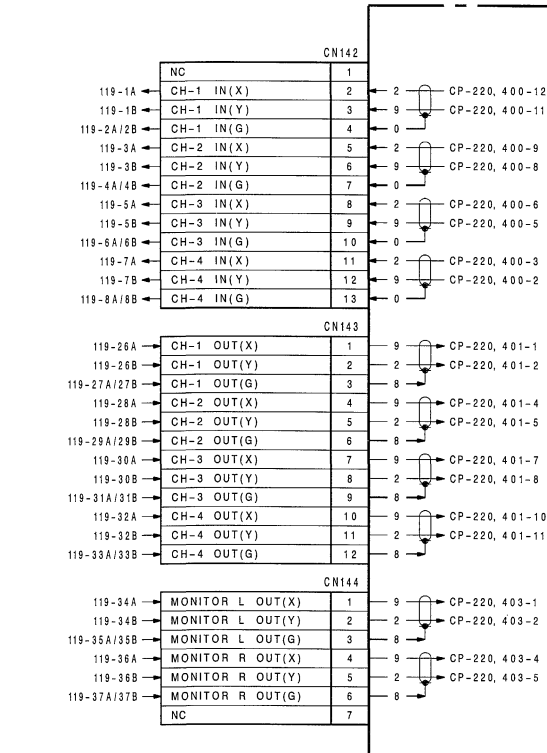
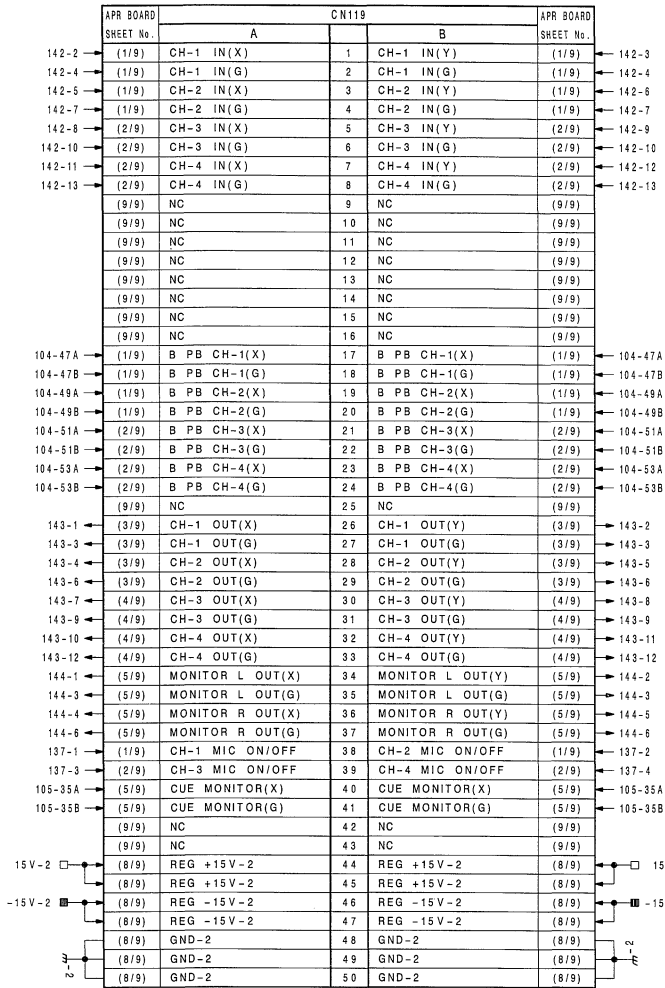
Mother board MB-441 BOARD (4/6)

BOARD NO. 1-648-560-11, 12, 13
BOARD' S LOT NO. 302-
DVW-A500(J, UC) :MB-441A MCB
DVW-A500P(EK) :MB-441A MCB
DVW-A500P(UC) :MB-441A MCB
DVW-500 (J, UC) :MB-441 MCB
DVW-500P (EK) :MB-441 MCB
DVW-500P (UC) :MB-441 MCB

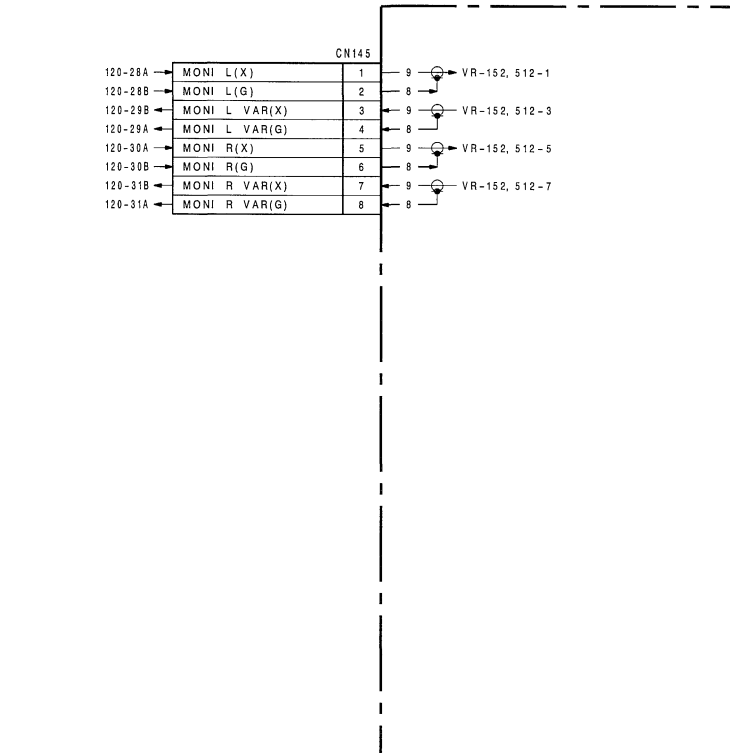
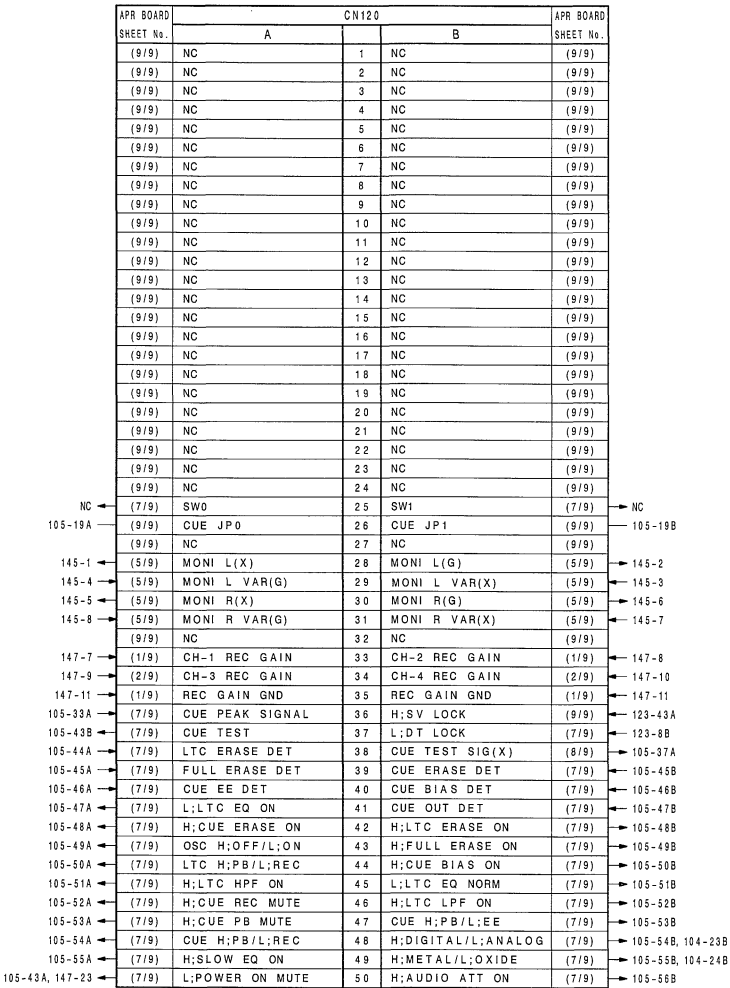
DVW-MB441-ALL-REC-S/M-05

FOR APR-1 BOARD

MB-441 BOARD		CONNECTION		
SHEET No.	REF. No.			
(1/8)	CN100	DEC-65	BKDW-505/506	
	CN101	TBC-23	DVW-A500/A500P ONLY (MB-441A MCB)	
	CN102	TBC-24		
	CN103	DM-89		
	CN104	AP-28		
(2/8)	CN105	CUE-1AP/1A/1		
	CN106	EQ-45A/45		
	CN110 CN112	DIF-16		
(3/8)	CN113 CN114 CN115	VPR-1		
	(4/8)	CN116 CN117 CN118	DPR-36	
		(5/8)	CN119 CN120 CN121	APR-1
(6/8)			CN122 CN123 CN124	SS-52A/52
	(5/8)		CN130	RS232C CONNECTOR
		CN131	VIDEO CONTROL CONNECTOR	
(6/8)	CN132	REMOTE 1 IN(9P) CONNECTOR		
	CN133	REMOTE 1 OUT(9P) CONNECTOR		
	CN134	CONTROL PANEL CONNECTOR		
(3/8)	CN135 CN136	CP-218	(CN412) (CN413)	
(5/8)	CN137	CP-220	(CN404)	
(1/8)	CN138 CN139	CP-218	(CN414) (CN415)	
	(2/8)	CN140	(CN402)	
(5/8)	CN142 CN143 CN144	CP-220	(CN400) (CN401) (CN403)	
	CN145	VR-152	(CN512)	
	CN147	FP-58	(CN500)	
	(6/8)	CN148 CN149 CN150	SWC-19 HN-181 FAN MOTOR(R)	(CN148) (CN201)
CN151 CN152 CN153		SWITCHING REGULATOR	(CN201) (CN202) (CN206)	
CN154		HN-181	(CN205)	
CN155		NO CONNECTION		
(1/8)	CN156	SWITCHING REGULATOR (CN203)		
	CN160	CN161 OF MB-441		
	CN161	CN160 OF MB-441		



FOR APR-1 BOARD

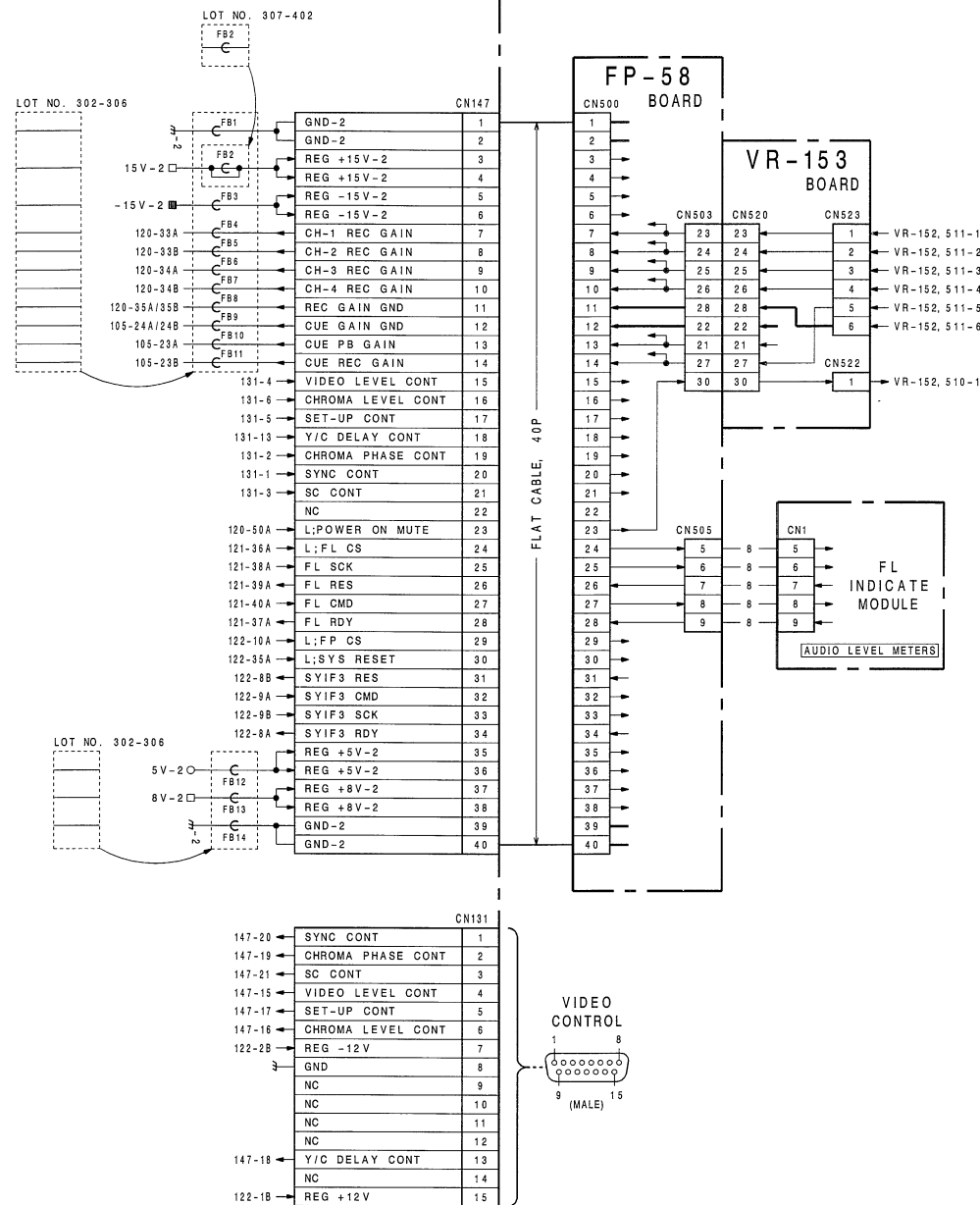


Pinout diagram for the CP-220 connector. The diagram shows a 34-pin flat cable connector (CN137) on the left, a 40-pin connector (CN404) in the middle, and a 30-pin connector (CN405) on the right. The CP-220 label is at the bottom. The diagram includes pin numbers, signal names, and optional connections for BDKW-509. A dashed box on the left indicates a 302-306 LOT NO. range. A dashed box on the right indicates an optional BDKW-509 connection.

Pin	Signal	Pin	Signal	Pin	Signal
119-38A	CH-1 MIC ON/OFF	1		1	
119-38B	CH-2 MIC ON/OFF	2		2	
119-39A	CH-3 MIC ON/OFF	3		3	
119-39B	CH-4 MIC ON/OFF	4		4	
105-44B	CUE MIC ON/OFF	5		5	
105-12A	EXT LTC IN(X)	6		6	
105-12B	EXT LTC IN(Y)	7		7	
105-13A/13B	EXT LTC IN(G)	8		8	
105-15A	EXT LTC OUT(X)	9		9	
105-15B	EXT LTC OUT(Y)	10		10	
105-16A/16B	EXT LTC OUT(G)	11		11	
121-14A	AES I 1/2(X)	12		12	
121-14B	AES I 1/2(Y)	13		13	
121-15A	AES I 1/2(G)	14		14	
121-16A	AES I 3/4(X)	15		15	
121-16B	AES I 3/4(Y)	16		16	
121-17A	AES I 3/4(G)	17		17	
121-18A	AES O 1/2(X)	18		18	
121-18B	AES O 1/2(Y)	19		19	
121-19A	AES O 1/2(G)	20		20	
121-20A	AES O 3/4(X)	21		21	
121-20B	AES O 3/4(Y)	22		22	
121-21A	AES O 3/4(G)	23		23	
	NC	24		24	
	REG +15V	25		25	
	GND	26		26	
	GND	27		27	
	REG +5V	28		28	
122-35A	L:SYS RESET	29		29	
122-8A	SYIF3 RDY	30		30	
122-8B	SYIF3 RES	31		31	
122-9A	SYIF3 CMD	32		32	
122-9B	SYIF3 SCK	33		33	
122-11A	L:REM CS	34		34	

OPTION: BDKW-509

CP-220



LOT NO.	BOARD NO.
302-306	1-648-560-11
307-402	1-648-560-12
403-	1-648-560-13

Mother board
MB-441 BOARD (5/6)

BOARD NO. 1-648-560-11, 12, 13
BOARD' S LOT NO. 302-
DVW-A500(J, UC) :MB-441A MCB
DVW-A500P(EK) :MB-441A MCB
DVW-A500P(UC) :MB-441A MCB
DVW-500 (J, UC) :MB-441 MCB
DVW-500P (EK) :MB-441 MCB
DVW-500P (UC) :MB-441 MCB

CN119
CN120
CN121
CN131
CN137
CN142
CN143
CN144
CN145
CN147

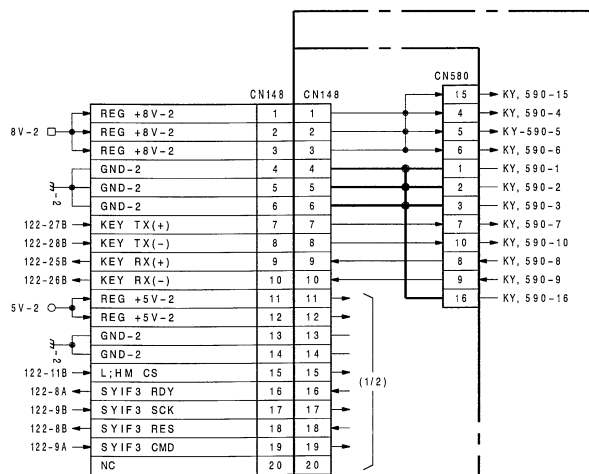
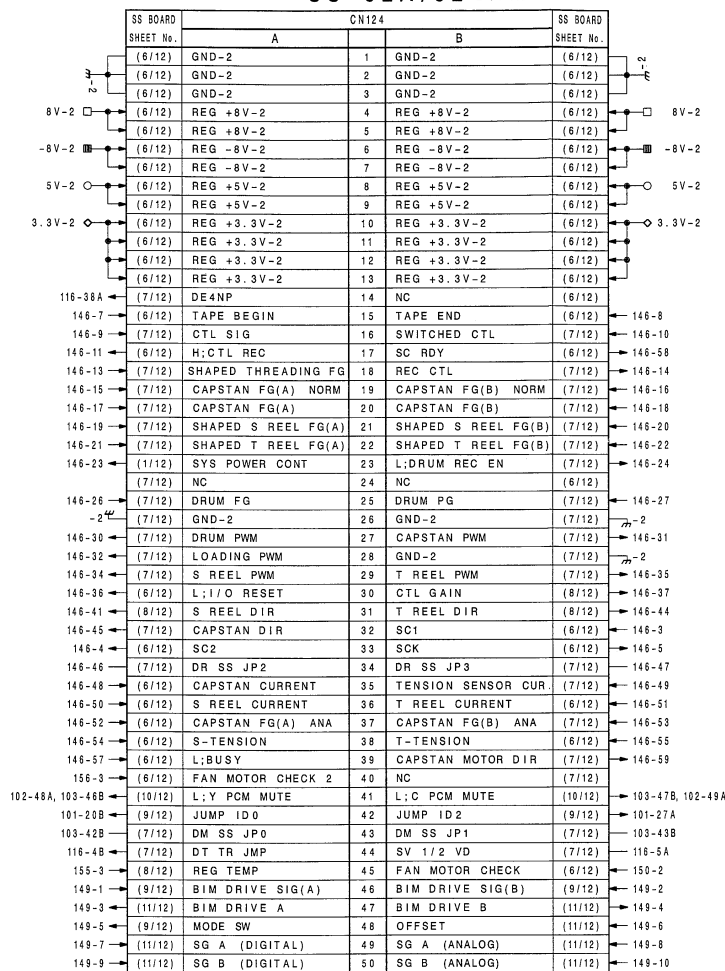
FOR SS-52A/52 BOARD

SS BOARD		CN123		SS BOARD	
SHEET No.		A		B	SHEET No.
115-43B	(3/12)	SS VD	1	SS HD	(3/12)
113-2B, 112-20B	(4/12)	CHARA FRAME	2	CHARA SIG(X)	(4/12)
115-22B	(3/12)	SS CK 13.5(X)	3	CHARA SIG(G)	(4/12)
115-22A	(3/12)	SS CK 13.5(G)	4	L:SS RESET	(1/12)
105-10B	(4/12)	PB LTC	5	LTC SOURCE	(4/12)
105-10A	(4/12)	REC LTC	6	LTC OUT	(4/12)
121-19B	(8/12)	CAPSTAN LOCK	7	DRUM LOCK	(8/12)
121-44B	(7/12)	SY 1/2 VD	8	L:DT LOCK	(9/12)
102-12B	(10/12)	Y WZ	9	C WZ	(10/12)
102-42A	(7/12)	Y PB SYNC	10	SERVO V	(7/12)
101-21A	(9/12)	DT V	11	PB O/E	(10/12)
101-23A	(8/12)	L:REV/H:FWD	12	L:NOISELESS PB	(8/12)
101-25A	(10/12)	L:DT	13	JUMP ID1	(9/12)
101-30A	(8/12)	PB FP1	14	PB FP2	(8/12)
102-17B, 103-48A	(5/12)	DM TBC SS JP0	15	DM TBC SS JP1	(5/12)
102-18A, 103-48B	(7/12)	ADV Y SW PLS	16	ADV C SW PLS	(7/12)
103-16A	(7/12)	L:Y DO PLS	17	L:C DO PLS	(7/12)
103-44B	(8/12)	H:FAST SEARCH	18	L:FLOW BID	(8/12)
103-44A	(10/12)	L:RF Y VBLK	19	L:RF C VBLK	(10/12)
103-37A	(6/12)	DM SS JP3	20	DM SS JP2	(6/12)
103-31A	(9/12)	Y RF ENVELOPE(X)	21	Y RF ENVELOPE(G)	(9/12)
105-28B	(9/12)	ADV AC ENV	22	ADV BD ENV	(9/12)
106-34A	(8/12)	SAT CK(G)	23	SAT CK(X)	(8/12)
	(8/12)	GND-2	24	GND-2	(8/12)
	(8/12)	GND-2	25	PB SAT REC AC	(8/12)
	(8/12)	GND-2	26	EQ GND1	(8/12)
	(8/12)	GND-2	27	PB SAT REC BD	(8/12)
	(8/12)	GND-2	28	EQ GND2	(8/12)
	(8/12)	GND-2	29	PB SAT ADV AC	(8/12)
106-14A	(8/12)	EQ SS JP1	30	EQ GND3	(8/12)
-2W	(8/12)	GND-2	31	PB SAT ADV BD	(8/12)
106-14B	(7/12)	REC SAT AC	32	EQ GND4	(8/12)
-2W	(8/12)	GND-2	33	L:FAST SEARCH	(8/12)
106-15B	(7/12)	L:SAT AC EN	34	EQ SS JP2	(8/12)
106-12B	(7/12)	L:FE A EN	35	L:FE B EN	(7/12)
7B, 106-26A, 103-47A	(7/12)	CNF AC FREQ	36	CNF BD FREQ	(7/12)
106-24A	(7/12)	ADV AC FREQ	37	ADV BD FREQ	(7/12)
106-44B	(7/12)	SS CF	38	VPR SS JP1	(5/12)
116-41A	(7/12)	SEG 0	39	SEG 1	(7/12)
116-42A	(7/12)	SEG 2(FIELD)	40	DT 2F	(7/12)
117-24A	(7/12)	DT SEG 0	41	DT SEG 1	(7/12)
117-25B	(7/12)	SYNC PLS	42	PP SV-REF	(7/12)
11B, 117-27A, 120-38B	(8/12)	H:SV LOCK	43	DIRECTION	(7/12)
117-28A	(7/12)	PB 2F	44	PB 4F	(7/12)
117-29A	(7/12)	PB 8F	45	CAP 8FG	(7/12)
117-30A	(7/12)	5F INERTIA	46	DT JUMP	(7/12)
106-13B, 117-31A	(7/12)	REC AC SEL	47	REC BD SEL	(7/12)
106-22A, 117-32A	(7/12)	CNF AC SEL	48	CNF BD SEL	(7/12)
106-20A, 117-33A	(7/12)	ADV AC SEL	49	ADV BD SEL	(7/12)
117-34A	(7/12)	L:B-CAM 3.3V	50	START PLS	(8/12)

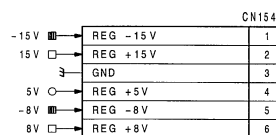
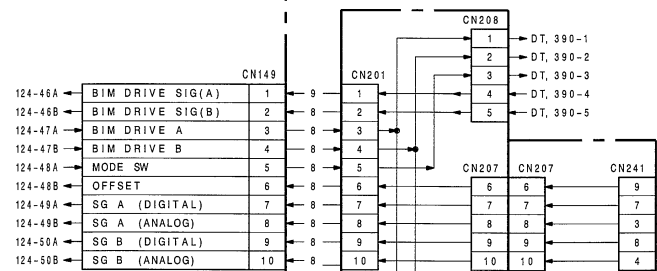
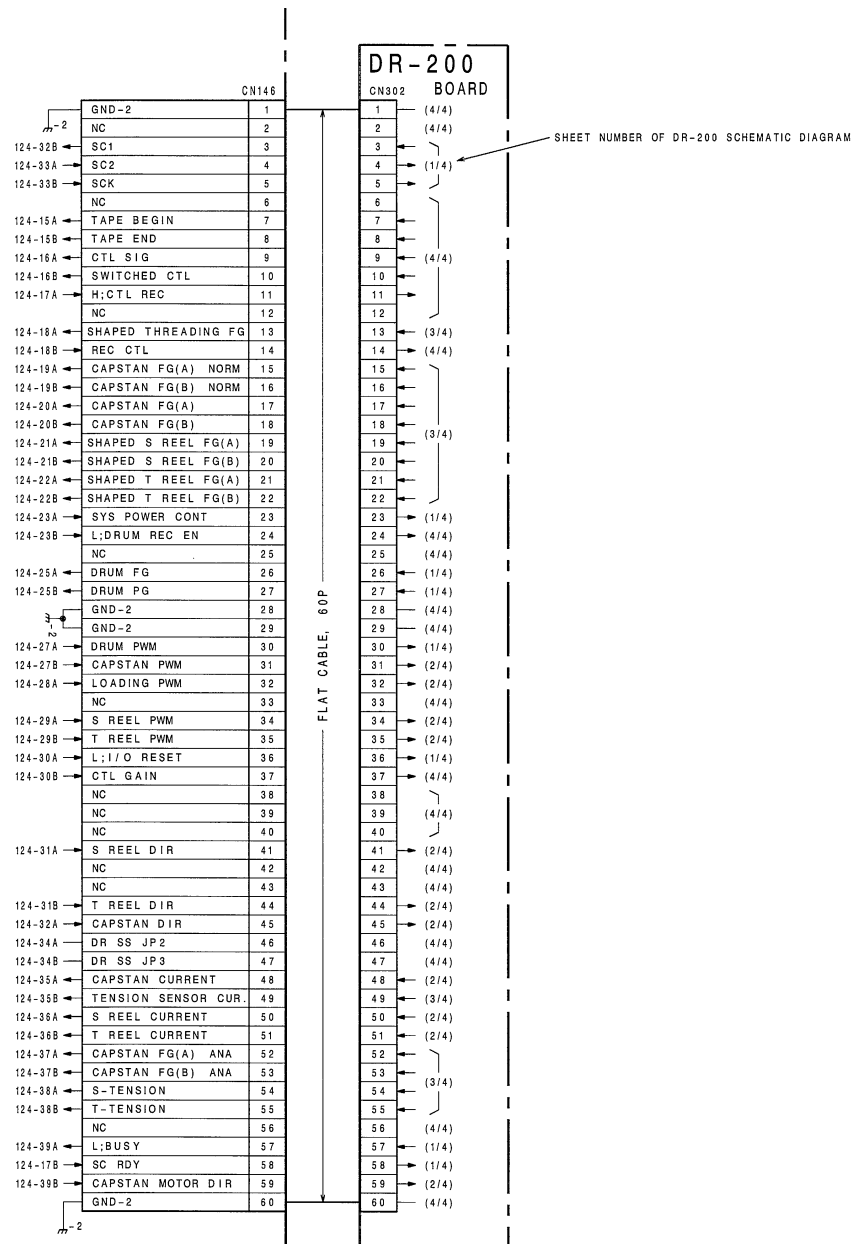
LOT NO. 302-402 ONLY
101-22A, 103-10B, 104-22B
101-24A, 104-22B



FOR SS-52A/52 BOARD



SWC-19 BOARD



LOT NO.	BOARD NO.
302-306	1-648-560-11
307-402	1-648-560-12
403-	1-648-560-13

HN-181 BOARD

HN-185 BOARD

Mother board

MB-441 BOARD (6/6)

BOARD NO. 1-648-560-11, 12, 13
BOARD' S LOT NO. 302-
DVW-A500(J, UC) :MB-441A MCB
DVW-A500P(EK) :MB-441A MCB
DVW-A500P(UC) :MB-441A MCB
DVW-500 (J, UC) :MB-441 MCB
DVW-500P (EK) :MB-441 MCB
DVW-500P (UC) :MB-441 MCB

DVW-MB441-ALL-REC-S/M-05



Section 2

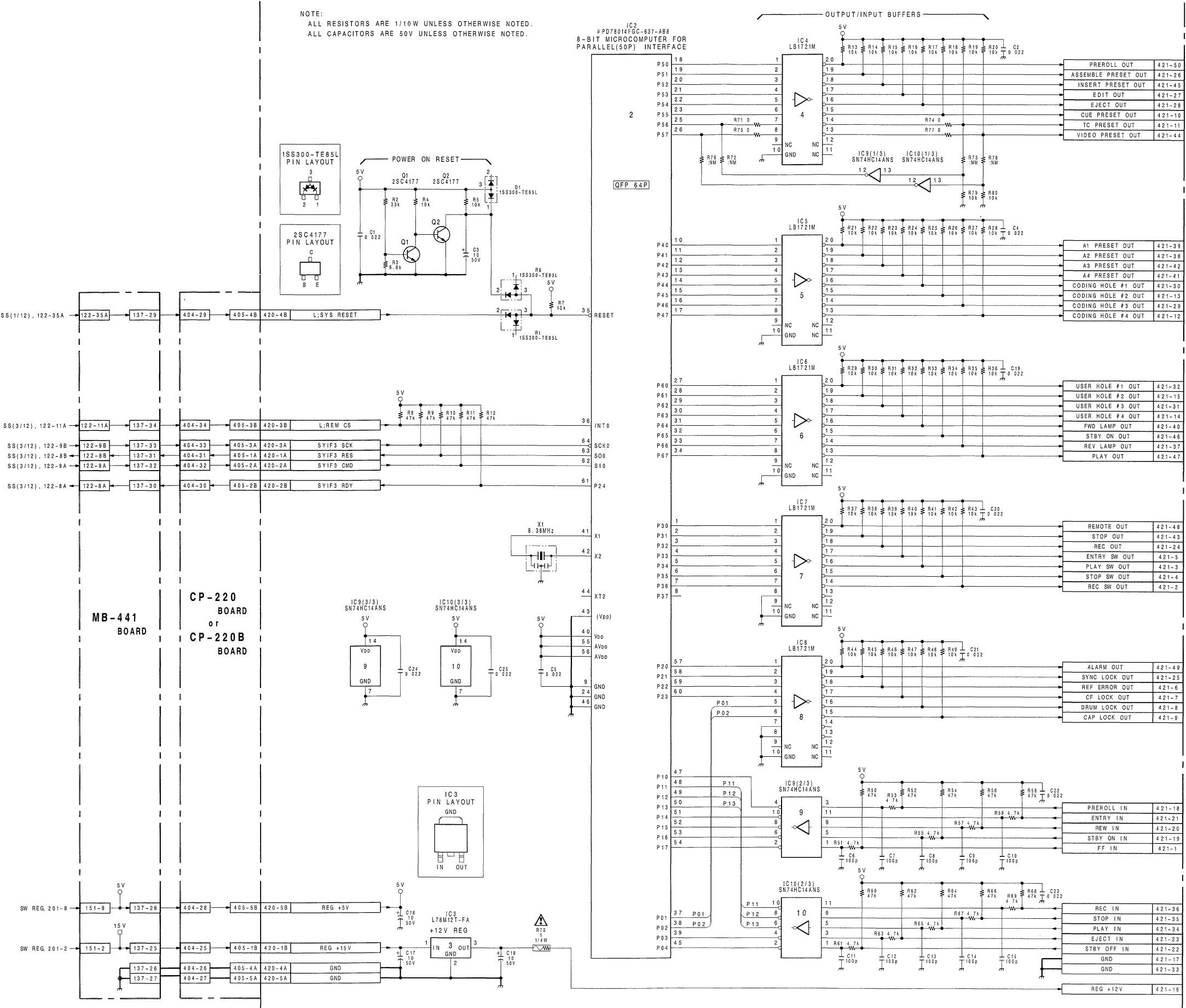
Schematic Diagram for Optional Boards

Circuit Function

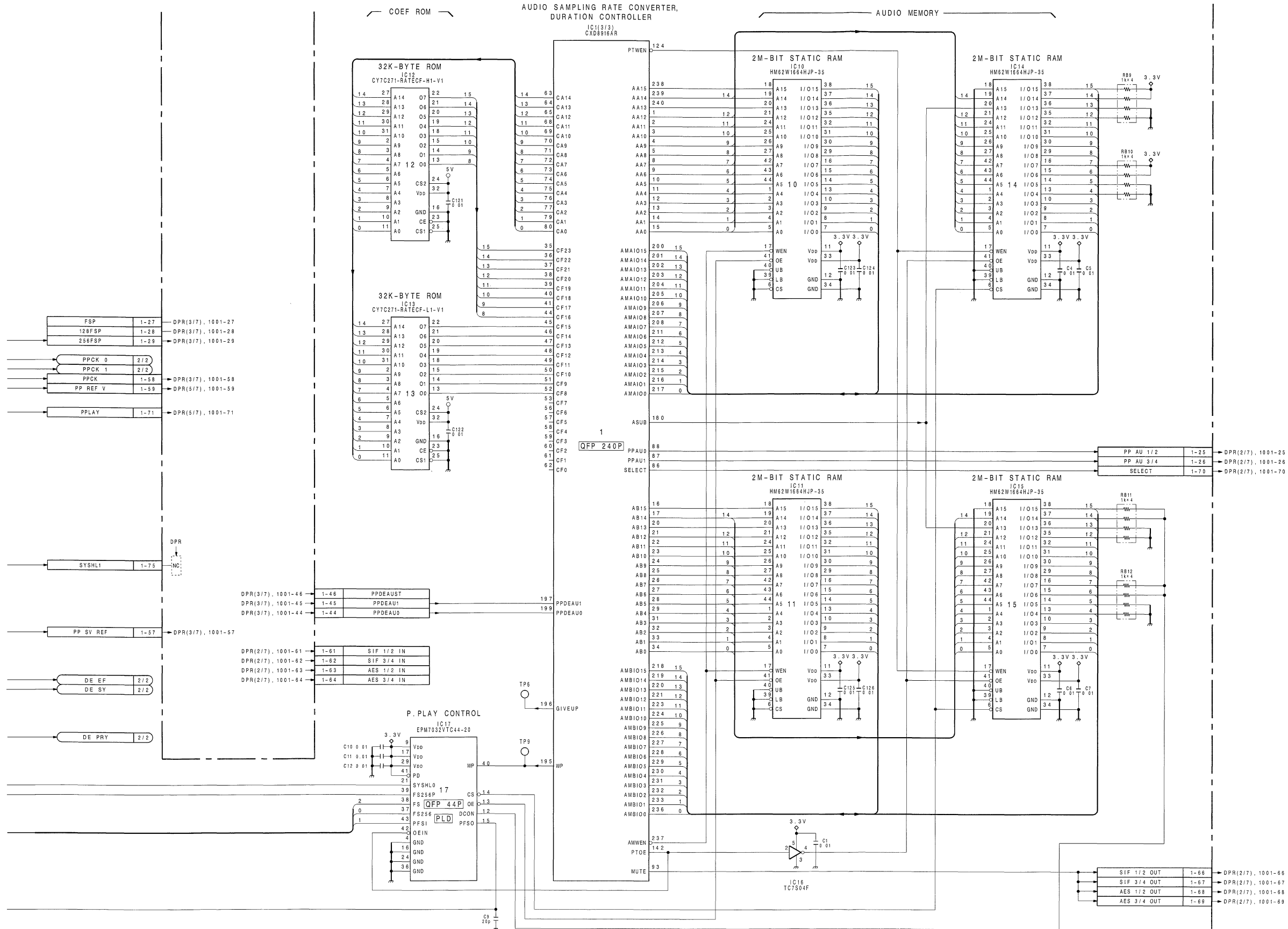
Model name	Board name	Circuit Function	Page
BKDW-506	DEC-65	Analog composite video decoder (Composite-component conversion, A/D conversion)	2-8
BKDW-507	PP-45	Audio program play	2-4
BKDW-509	RM-130	Parallel (50P) interface	2-3
BKDW-514	KY-231	Panel function control	2-12
	DP-176	Time counter display	
	PTC-69	Search dial sensor, Dial solenoid connection	
BKDW-515	CP-266	Panel control CPU, EL control, PIO, Memory card I/F	2-14
	PTC-69	Search dial sensor, Dial solenoid connection	2-16
	KY-330	Editing operation/tape transport control switches, Memory card connector	2-18
	SW-749	Function control swithes	2-19

Note

The △-marked components are critical to safety.
Replace only with same components as specified.







Clock Generator,
System Control Interface,
Audio Memory Control
PP-45 BOARD (1/2)

BOARD NO. 1-652-642-13
BKDW-507 :PP-45 MCB :#10001-
DVW-PP45-ALL-ALL-S/M-02

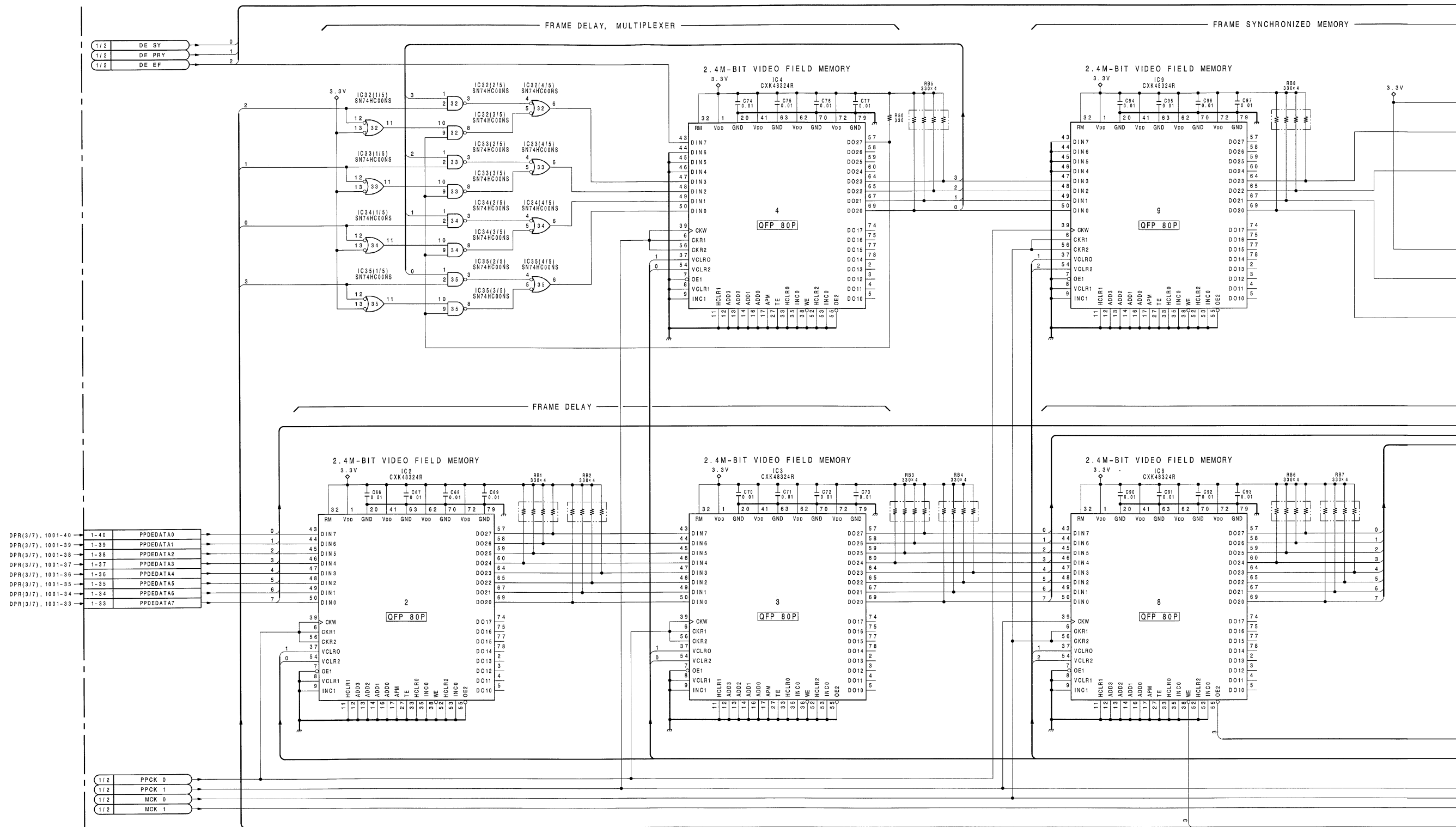
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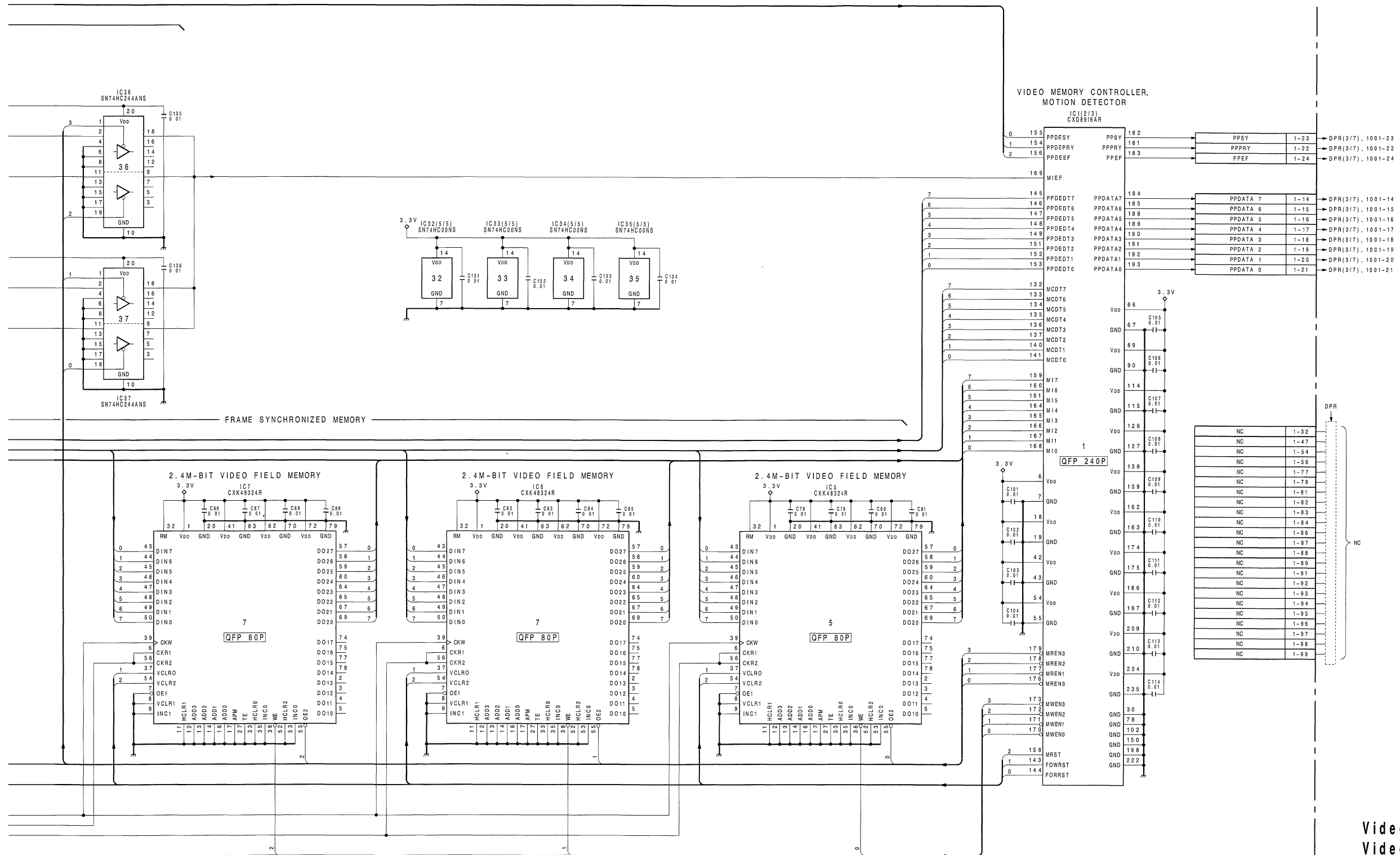
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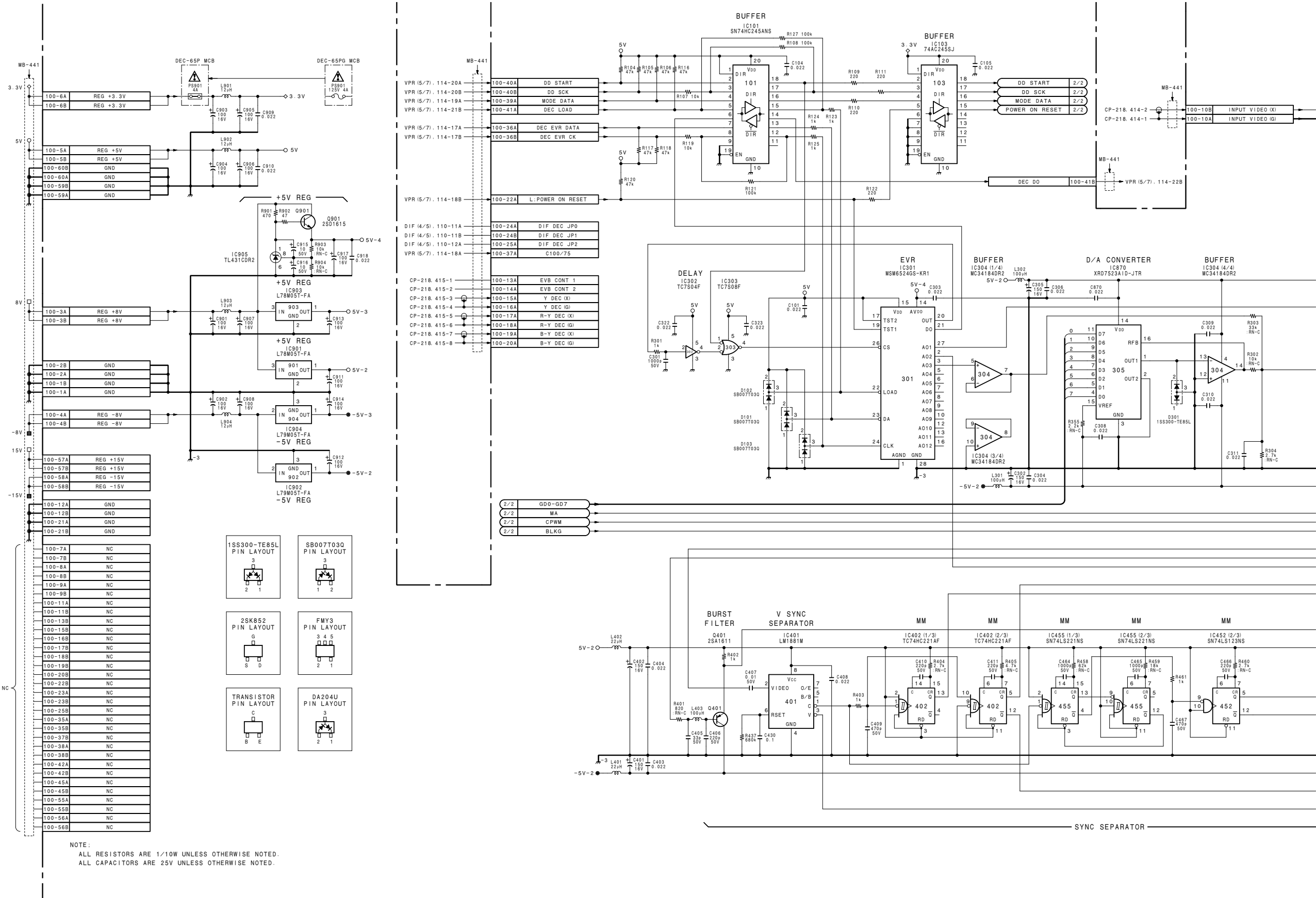


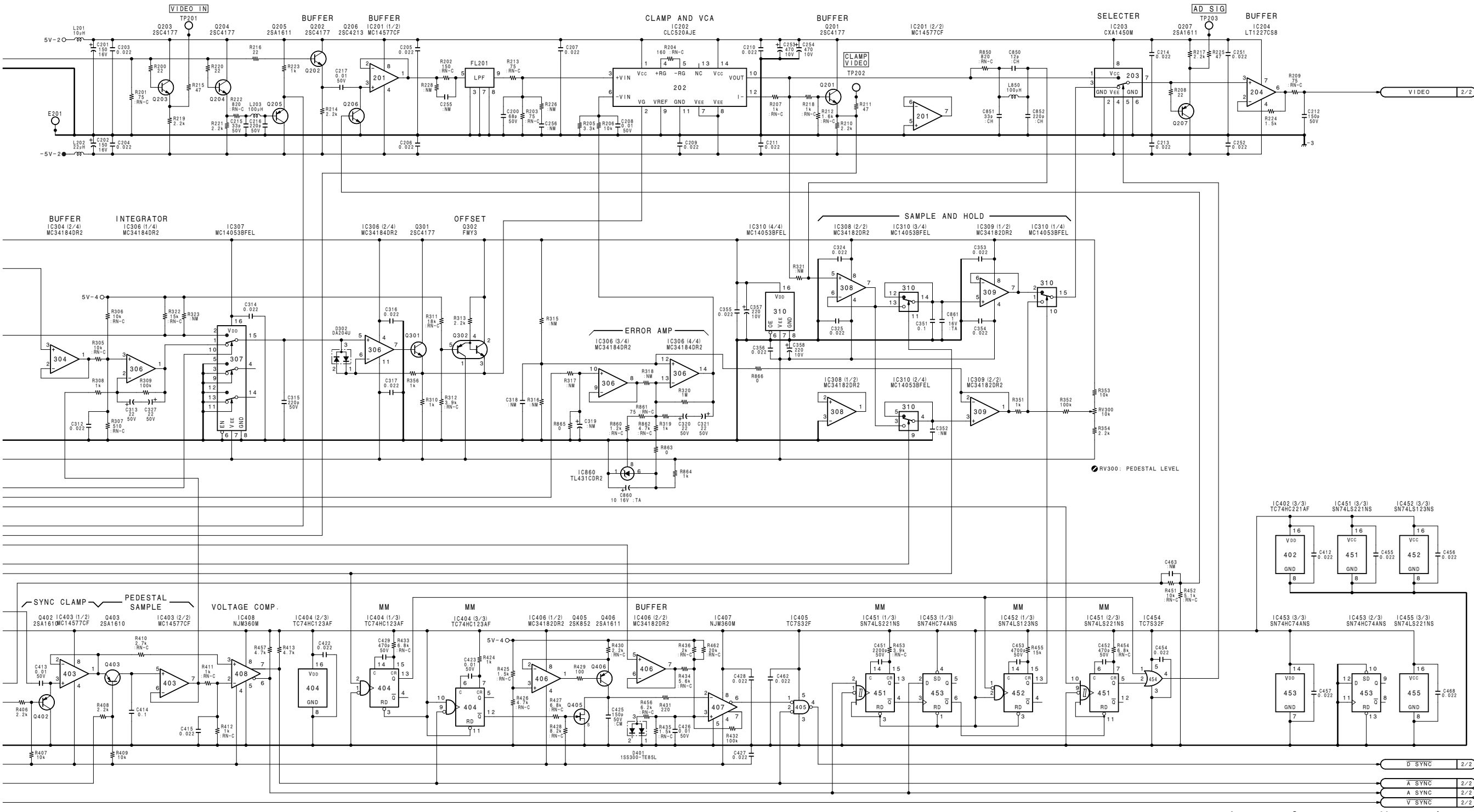
Video Data Frame Delay,
Video Memory Control

PP-45 BOARD (2/2)

BOARD NO. 1-652-642-13
BKDW-507 :PP-45 MCB :#10001-

DVW-PP45-ALL-ALL-S/M-02

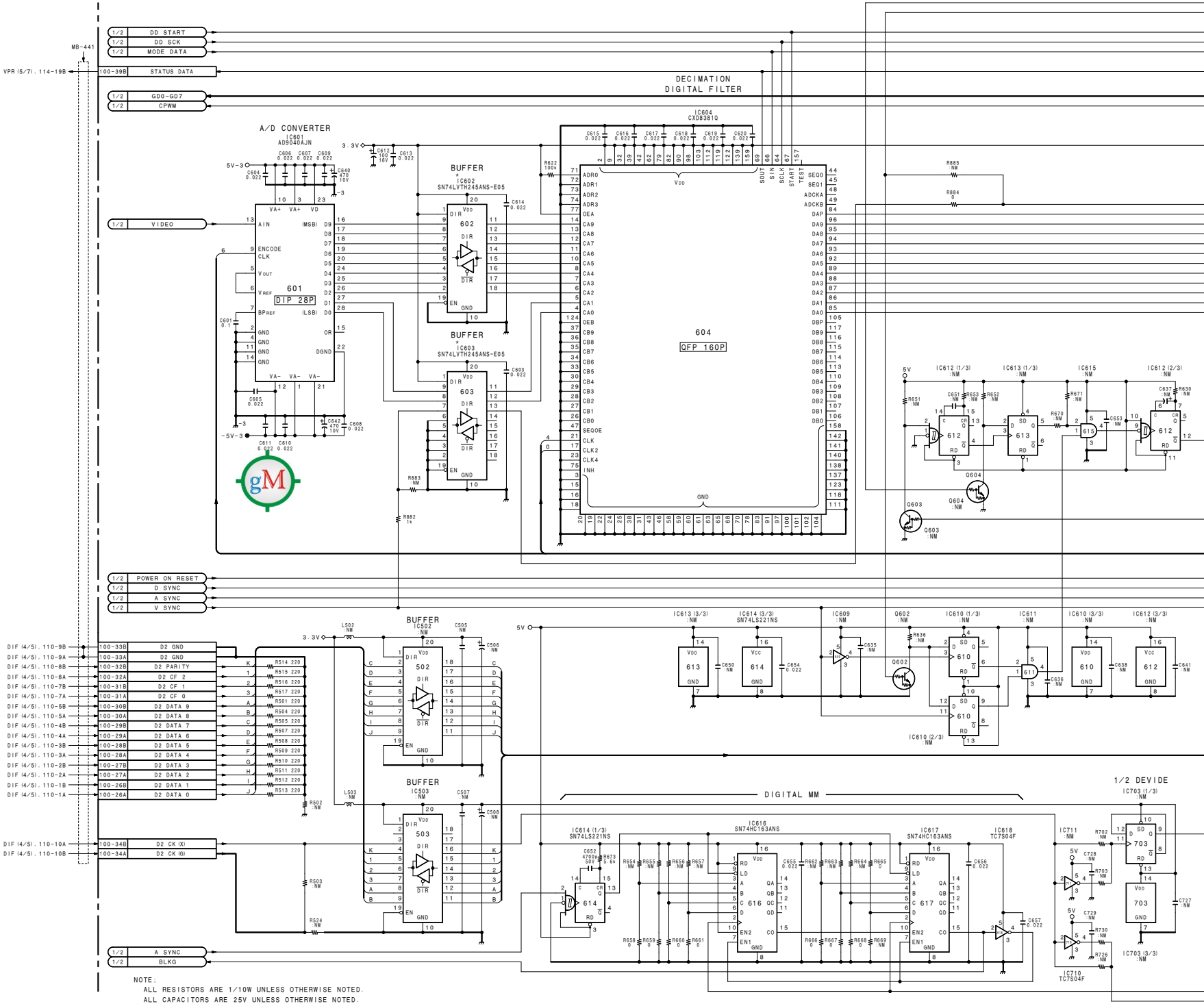


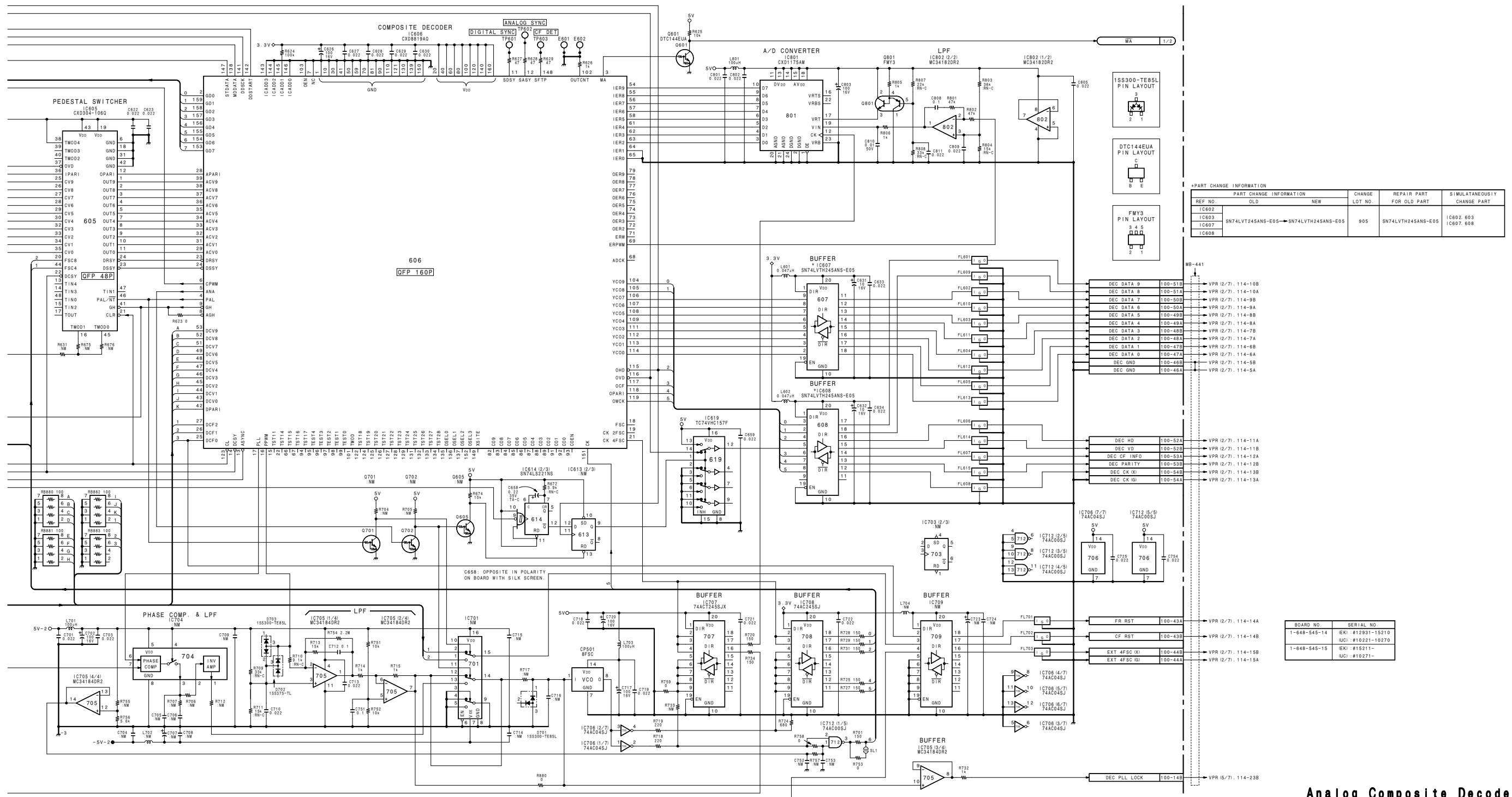


Analog Composite Video Input
(EVR, AGC, SYNC Separator)
DEC-65 BOARD (1/2)

BOARD NO.	SERIAL NO.
1-648-545-14	IEK1 : #12931-15210
	IUC1 : #10221-10270
1-648-545-15	IEK1 : #15211-
	IUC1 : #10271-

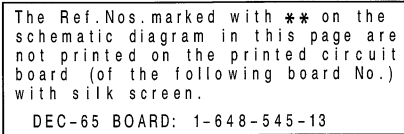
BOARD NO. 1-648-545-14, 15
BKDW-506 (IEK) : DEC-65P MCB : #12931-
BKDW-506 (IUC) : DEC-65PG MCB : #10221-
[DVW-DEC65-PAL-REC-S/M-05-D]



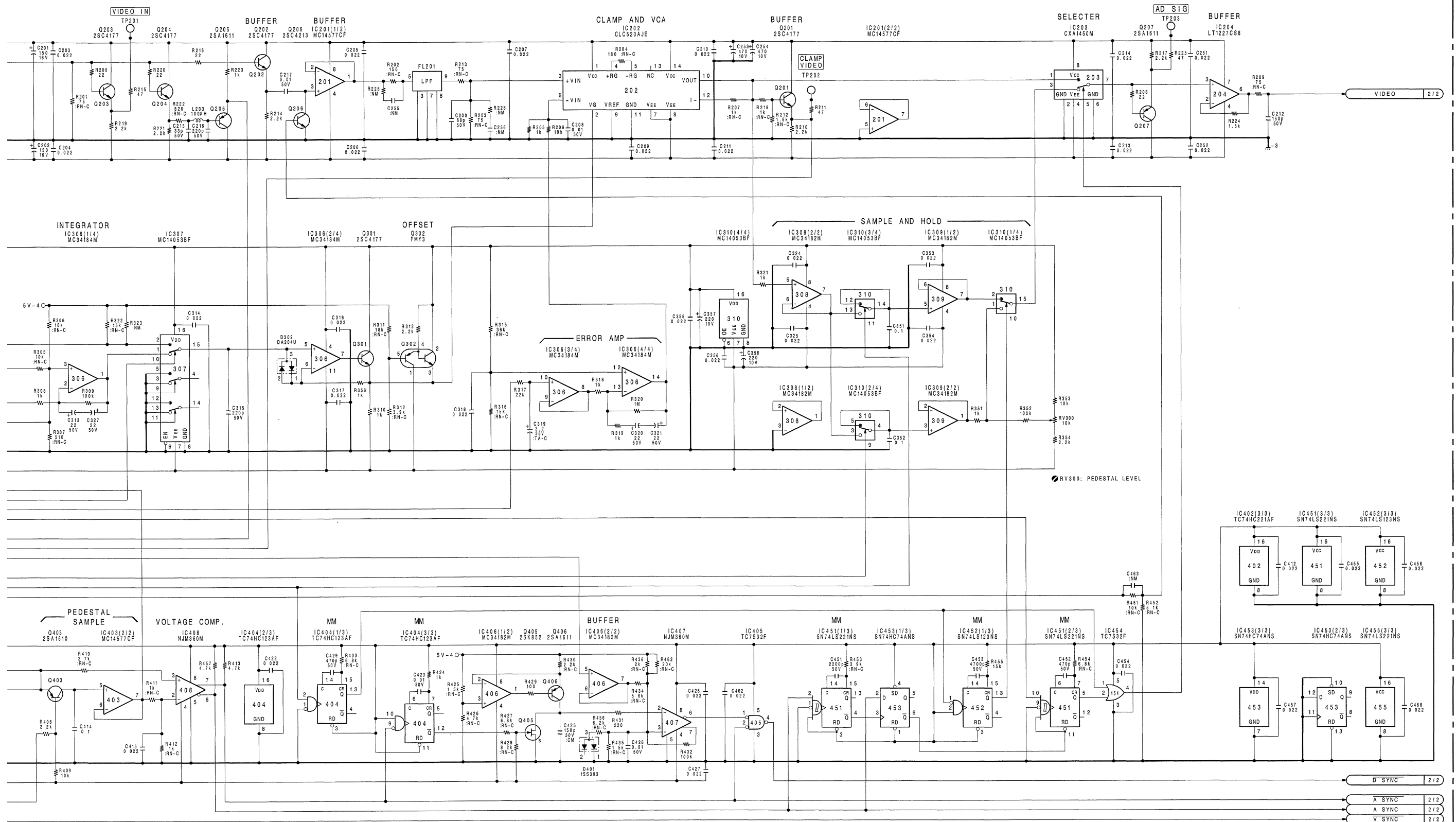


Analog Composite Decode
(A/D, Digital Filter)
DEC-65 BOARD (2/2)

BOARD NO. 1-648-545-14, 15
BKDW-506 (EK) : DEC-65P MCB : #12931-
BKDW-506 (UC) : DEC-65PG MCB : #10221-
DVW-DEC65-PAL-REC-S/M-05-D



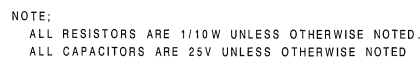
DVW-A500P/500P

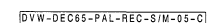


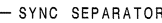
Analog Composite Video Input
(EVR, AGC, SYNC Separator)
DEC-65 BOARD (1/2)

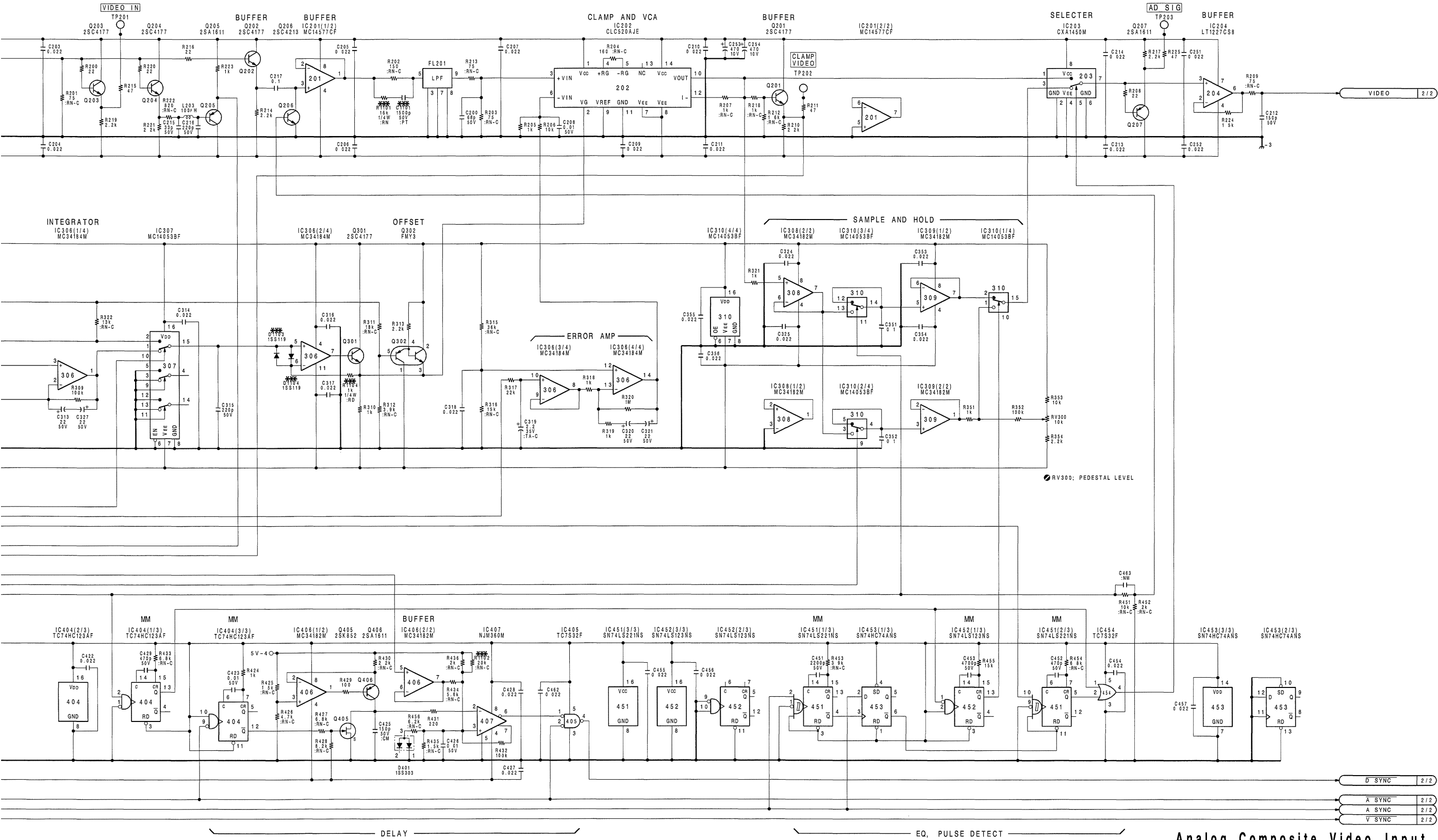
BOARD NO. 1-648-545-13
BKDW-506(EK) :DEC-65P MCB :#11201-12930
BKDW-506(UC) :DEC-65PG MCB :#10031-10220

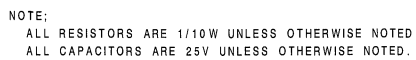
DVW-DEC65-PAL-REC-S/M-05-C



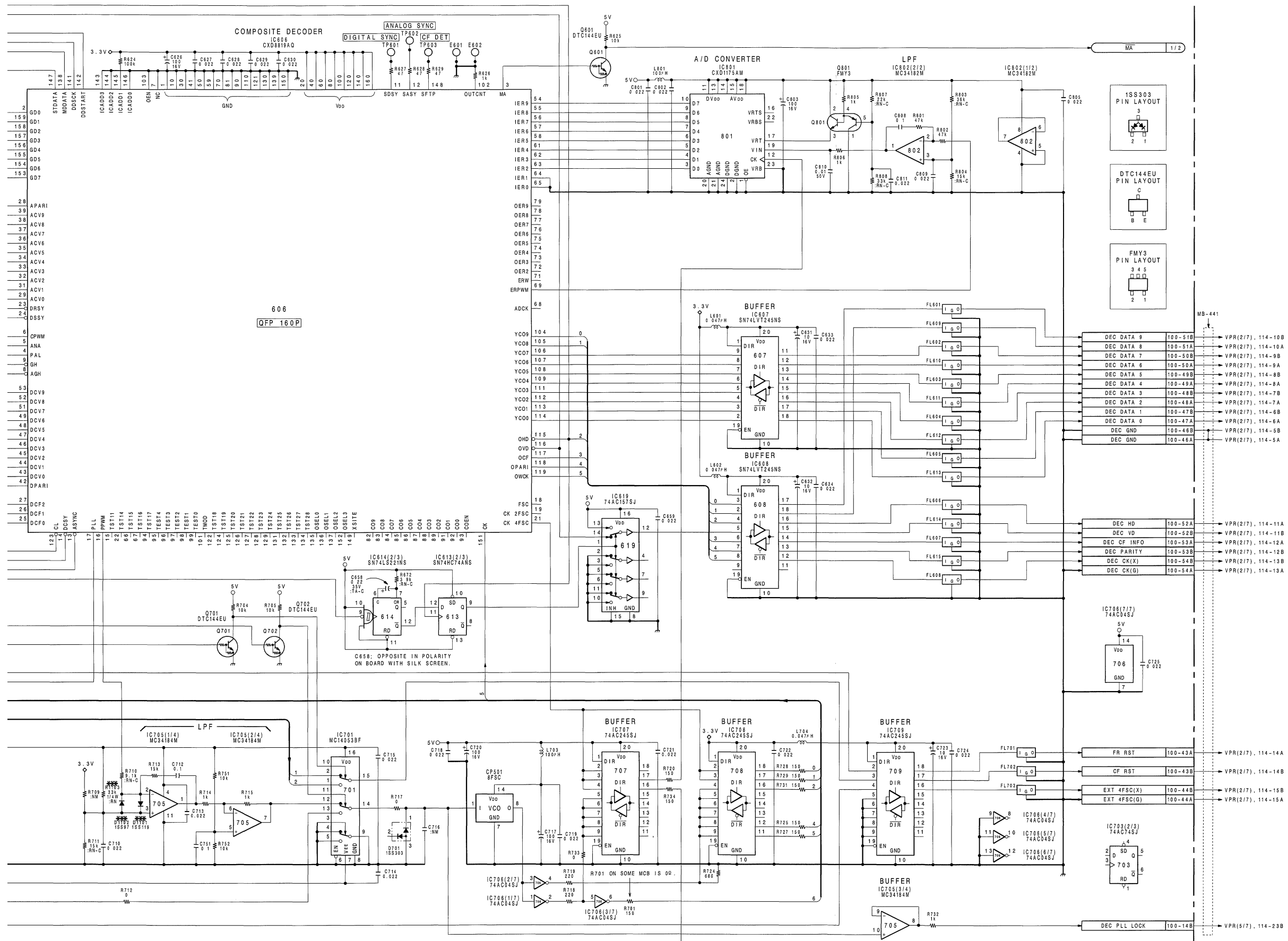








2-10 (b)



The Ref.Nos.marked with *** on the schematic diagram in this page are not printed on the printed circuit board (of the following board No.) with silk screen.

DEC-65 BOARD: 1-648-545-12

Analog Composite Decode (A/D, Digital Filter) DEC-65 BOARD (2/2)

BOARD NO. 1-648-545-12
BKDW-506(EK) :DEC-65P MCB :#10751-#11200
BKDW-506(UC) :DEC-65PG MCB:#10021-#10030

GVW-DEC65-PAL-REC-S/M-04-B

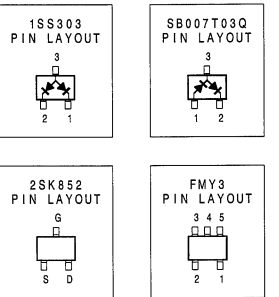
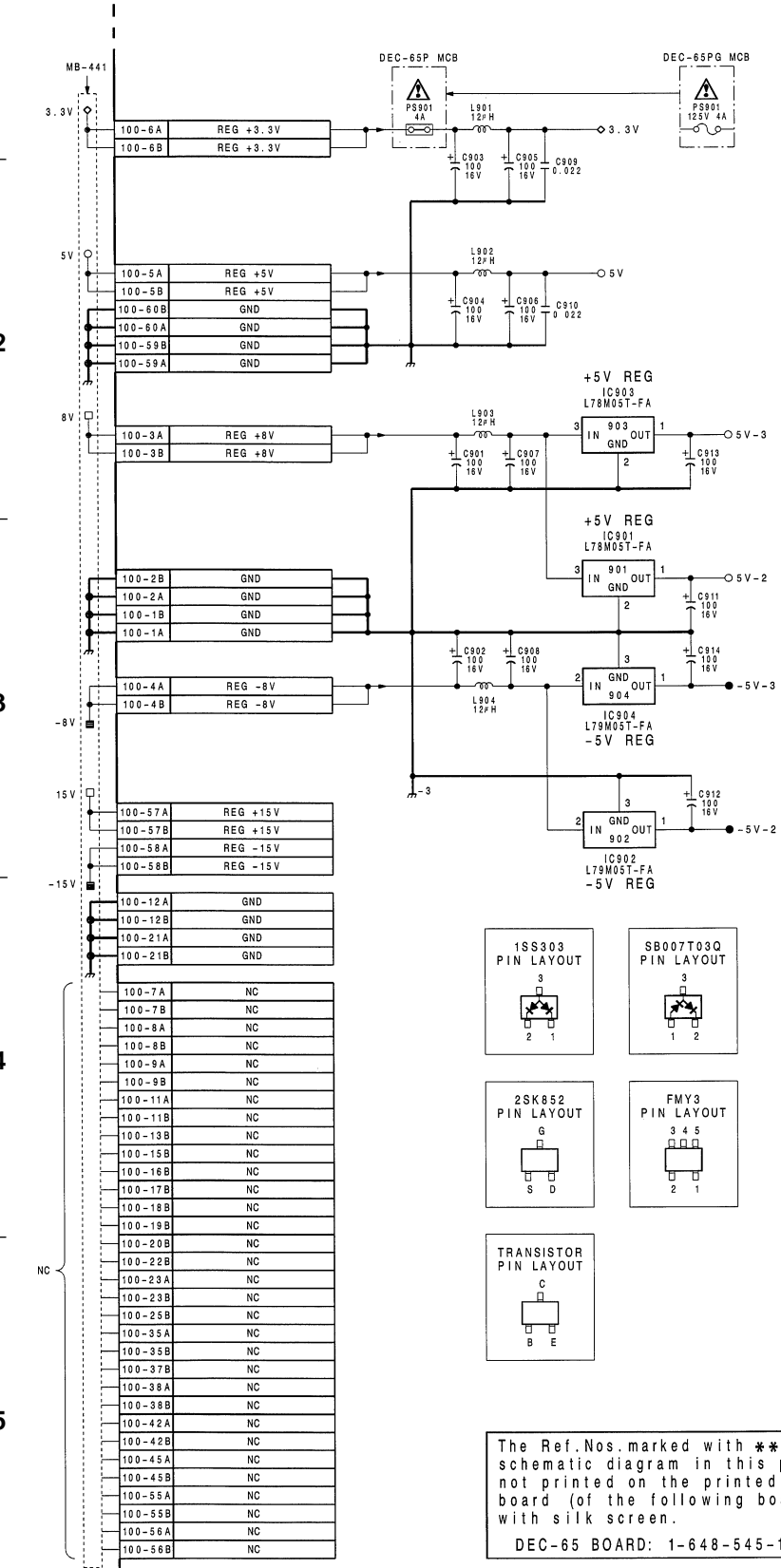
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2

3

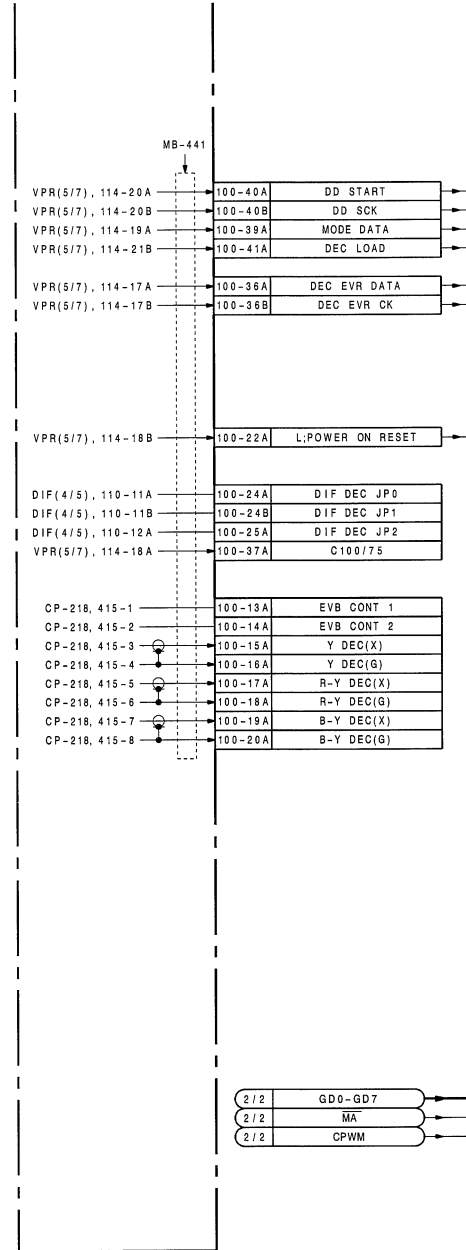
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5



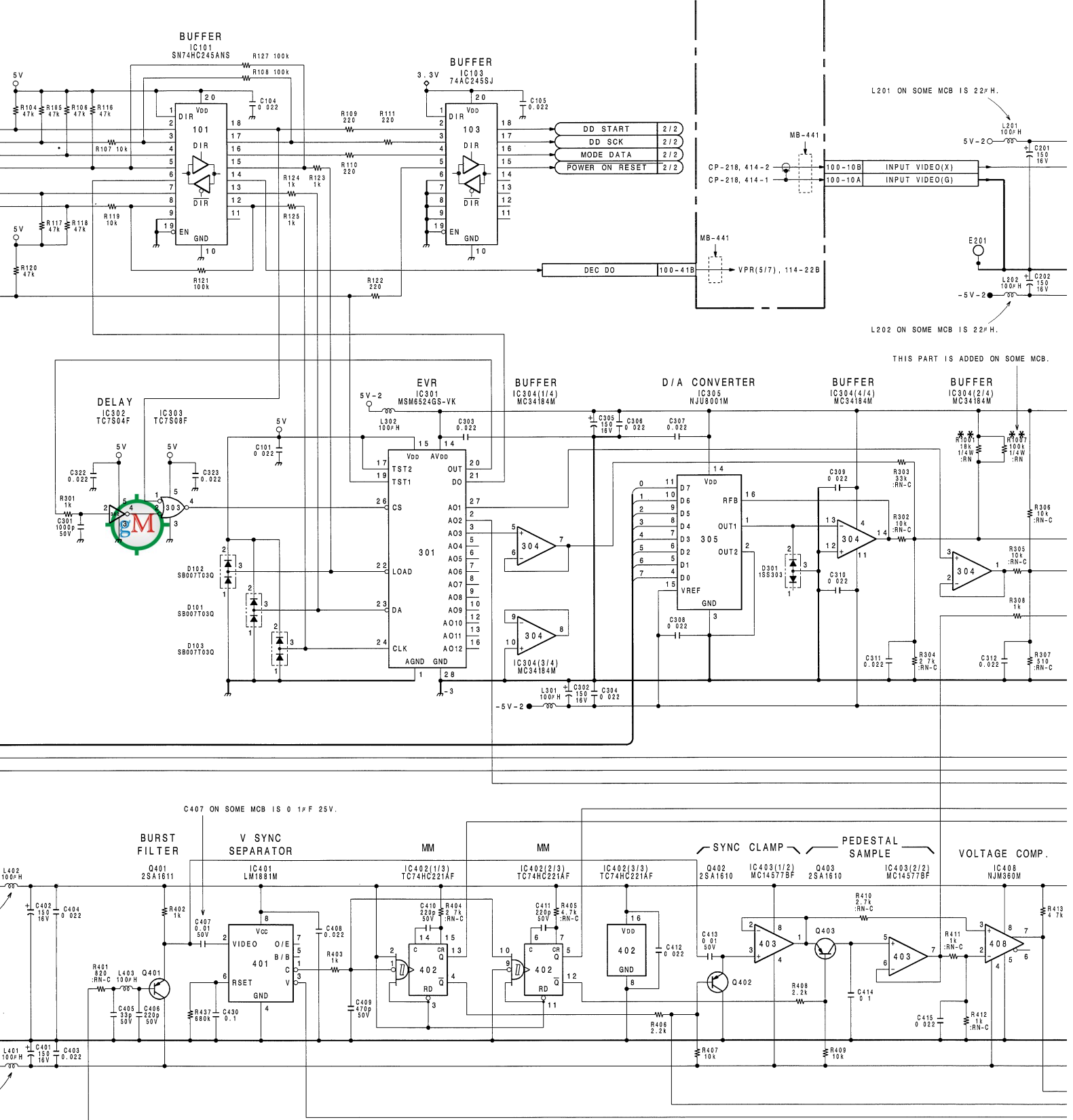
The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit board (of the following board No.) with silk screen.
DEC-65 BOARD: 1-648-545-11

NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.



2/2 GD0-GD7
2/2 MA
2/2 CPWM

2-8 (a)



2-8 (a)

D

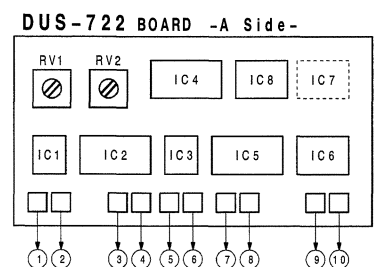
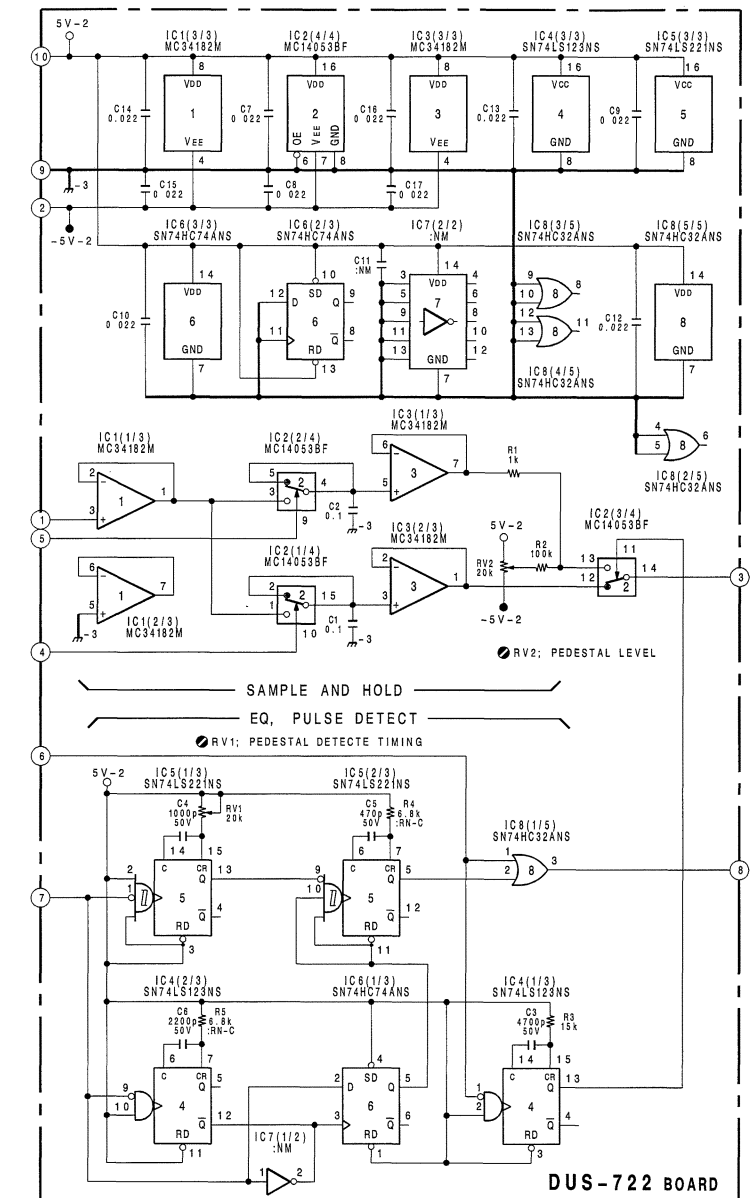
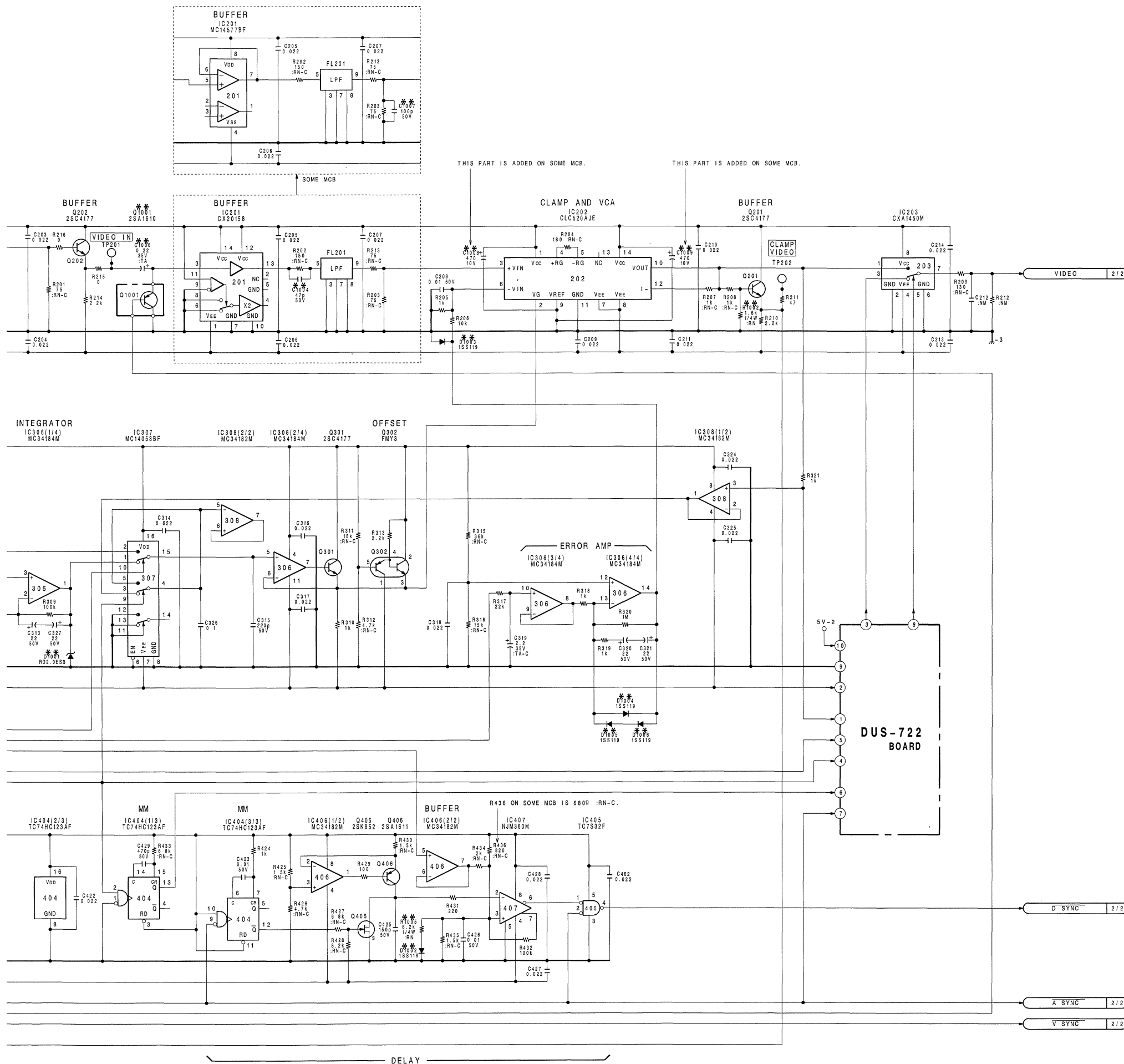
E

F

G

H

DVW-A500P/500P



DUS-722 BOARD

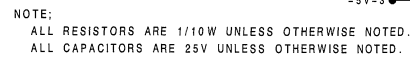
BOARD NO. 1-650-561-11

Analog Composite Video Input (EVR, AGC, SYNC Separator)

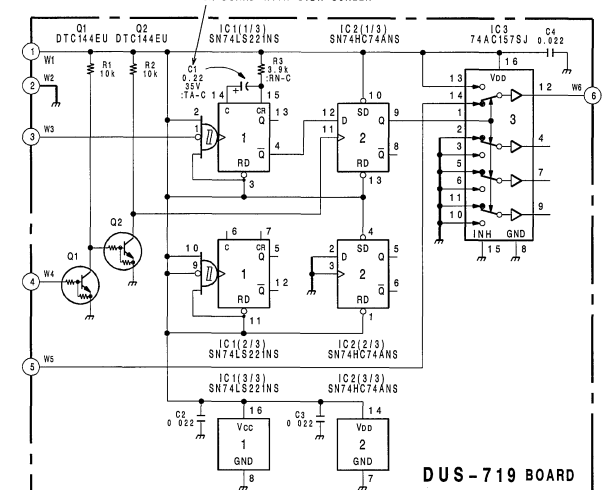
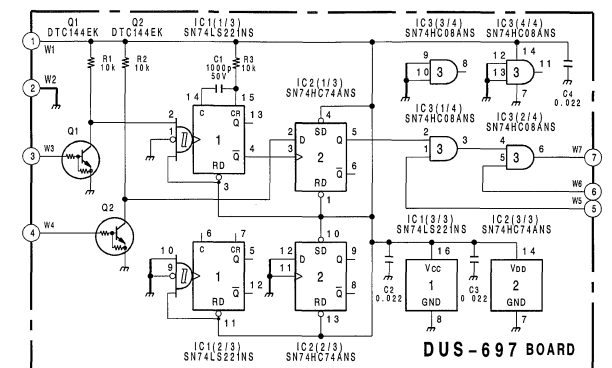
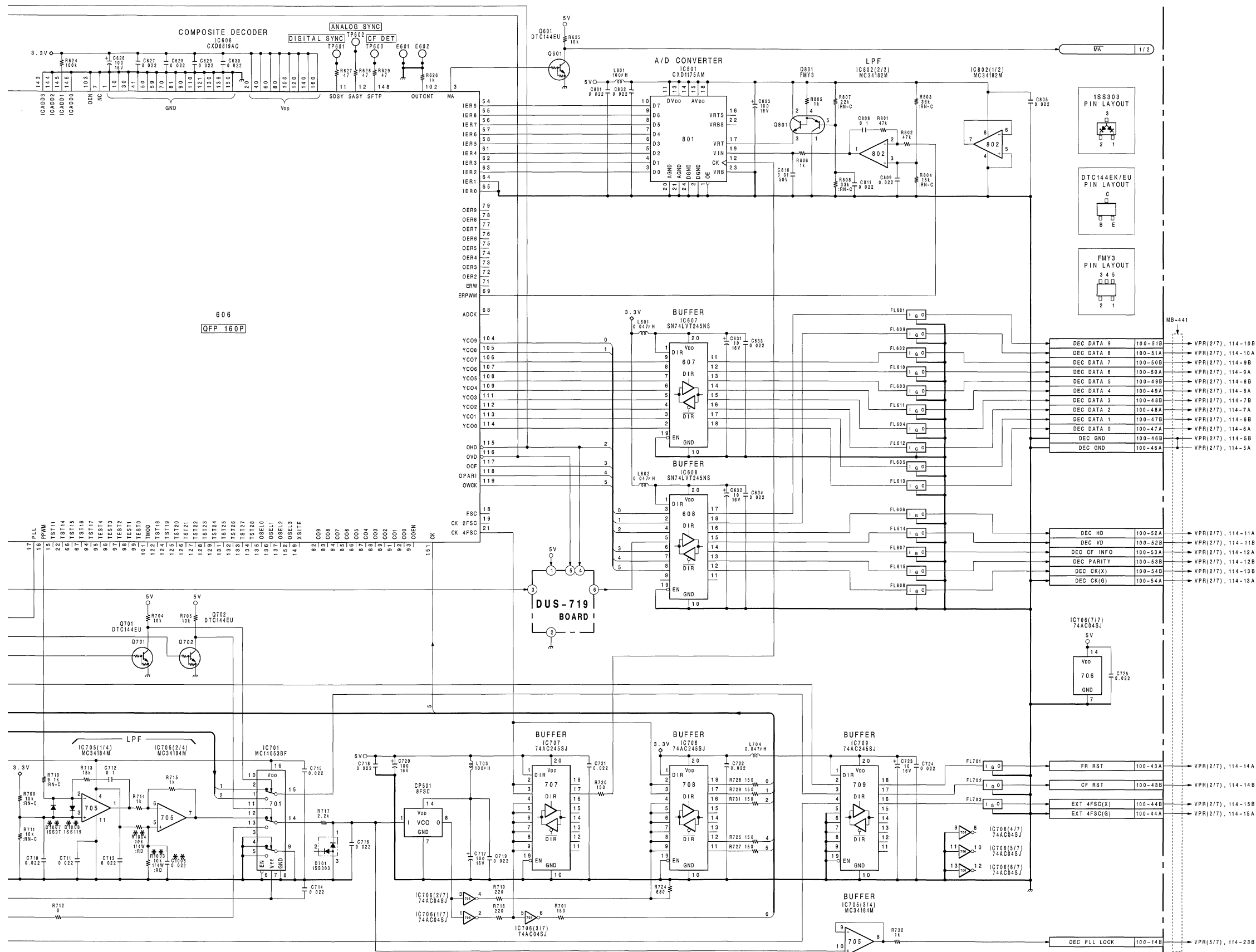
DEC-65 BOARD (1/2)

BOARD NO. 1-648-545-11
BKDW-506(EK) :DEC-65P MCB :#10001-#10750
BKDW-506(UC) :DEC-65PG MCB :#10001-#10020

DVW-DEC65-PAL-REC-S/M-04-A



2-10 (a)



The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit board (of the following board No.) with silk screen.

DEC-65 BOARD: 1-648-545-11

DUS-697 BOARD

BOARD NO. 1-649-410-11

DUS-719 BOARD

BOARD NO. 1-650-560-11

Analog Composite Decode (A/D, Digital Filter)

DEC-65 BOARD (2/2)

BOARD NO. 1-648-545-11

BKDW-506(EK) : DEC-65P MCB : #10001-#10750

BKDW-506(UC) : DEC-65PG MCB : #10001-#10020

[DVW-DEC65-PAL-REC-S/M-04-A]

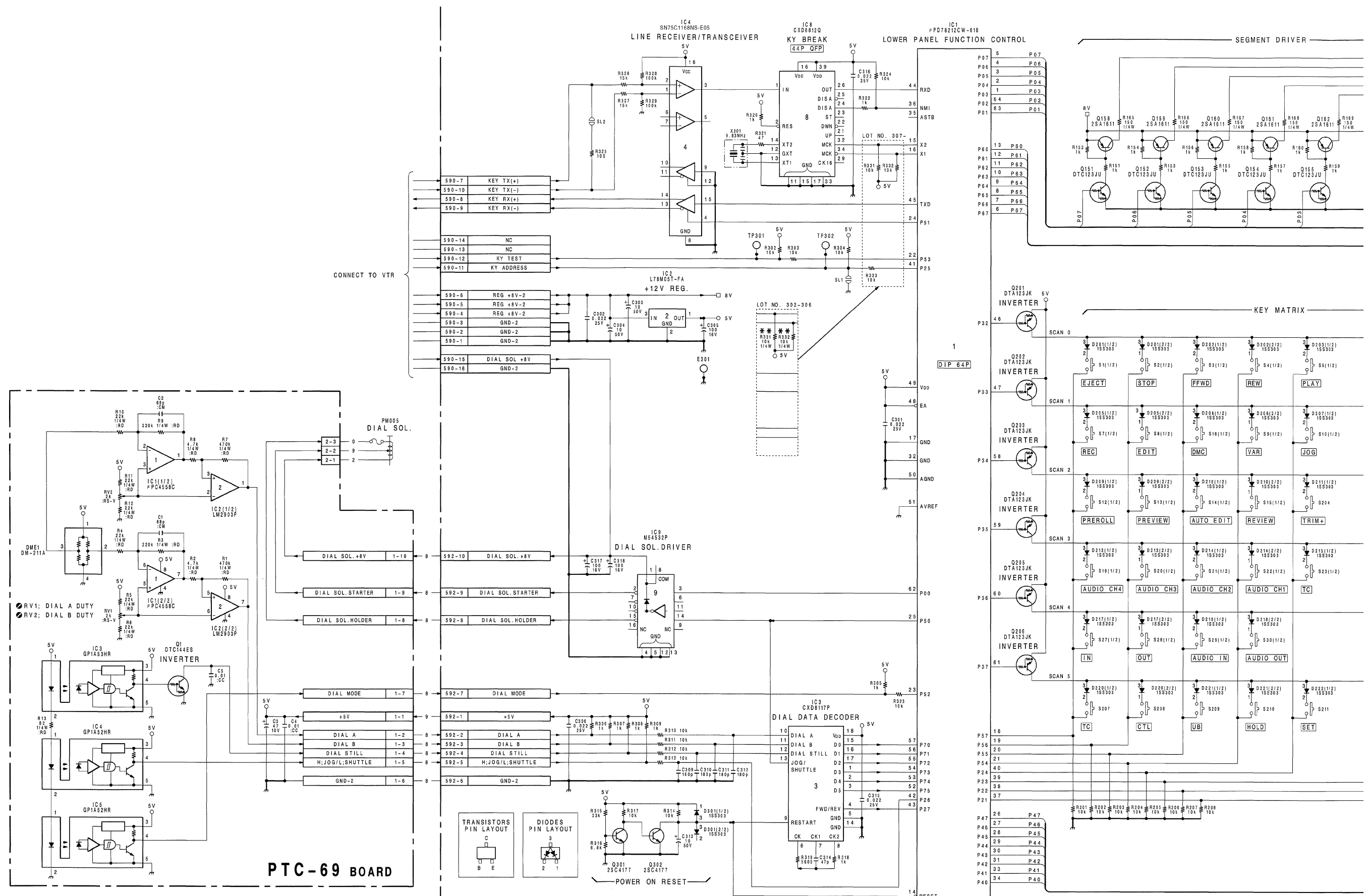
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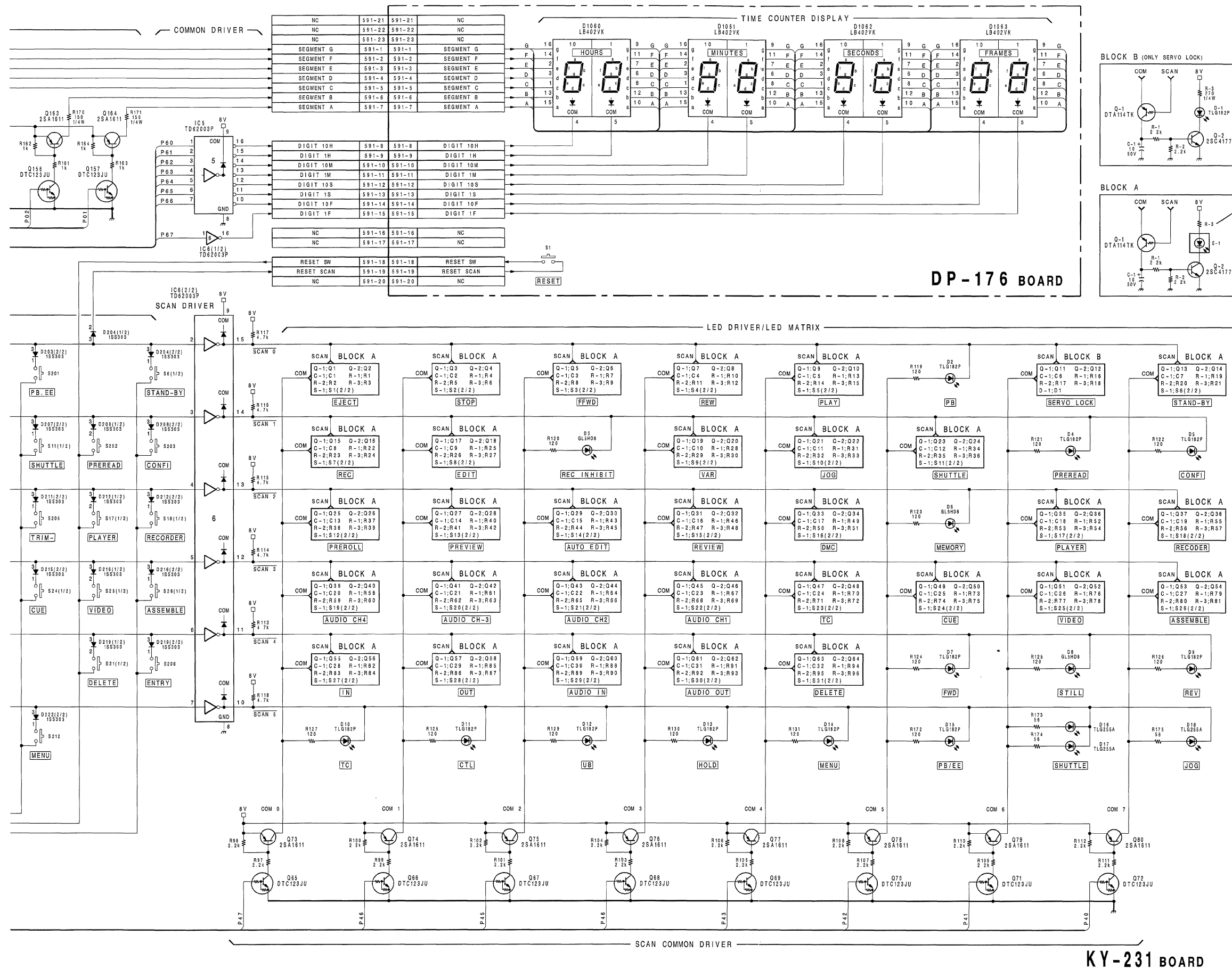
3

4

5



NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.



The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit board (of the following board No.) with silk screen.

KY-231 BOARD : 1-648-546-11

LOT NO.	BOARD NO.
302-306	KY-231
307-402	DP-176
403-	

REF. NO.	LOT NO.
R3, 6	302-402
R9, 12, R15, 21	120
R24	220 1/4W
R27	120
R30, 33, R36	180 1/4W
R39, 42	120
R45	220 1/4W
R48	120
R51, 54, R57, 60, R63, 66, R69, 72, R75, 78, R81, 84, R87, 90, R93, 96	180 1/4W

Time Counter Display

DP-176 BOARD

BOARD NO. 1-648-547-12
BOARD'S LOT NO. 501-
BKDW-514 : DP-176 MCB

Jog/Shuttle Dial Sensor

PTC-69 BOARD

BOARD NO. 1-648-568-12
BKDW-514 : PTC-69 MCB

Lower Panel Control

KY-231 BOARD

BOARD NO. 1-648-546-13
BOARD'S LOT NO. 501-
BKDW-514 : KY-231 MCB

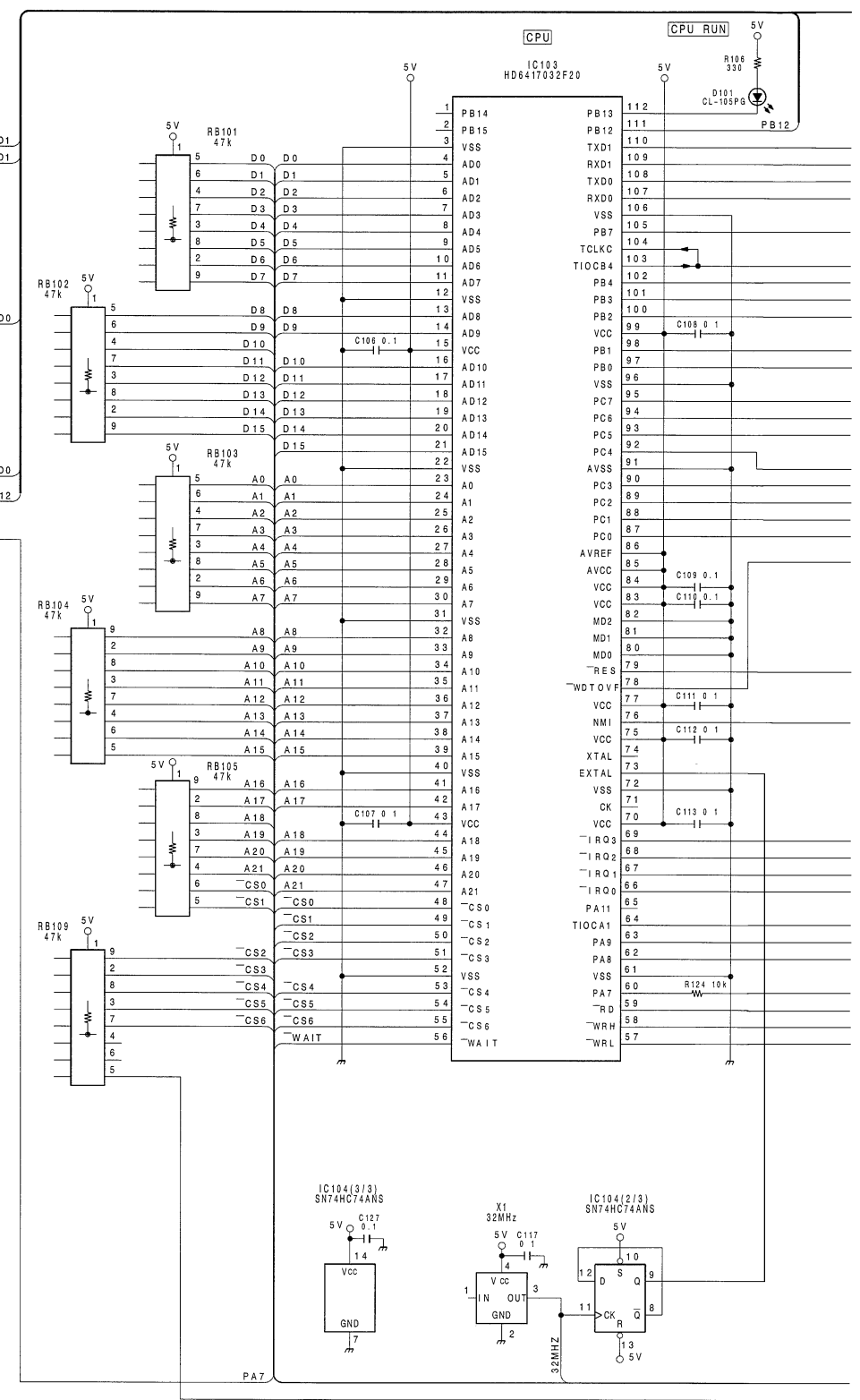
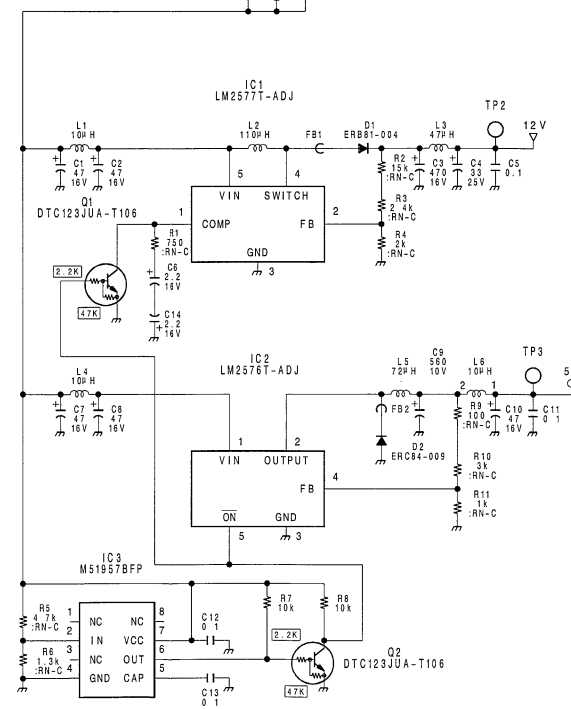
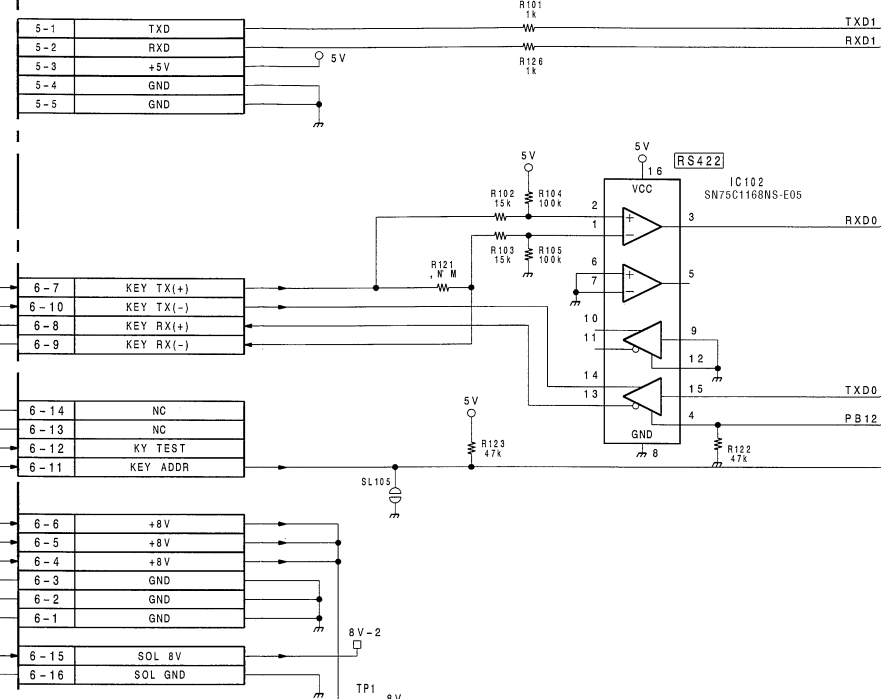
BKDW-514 : #10001-

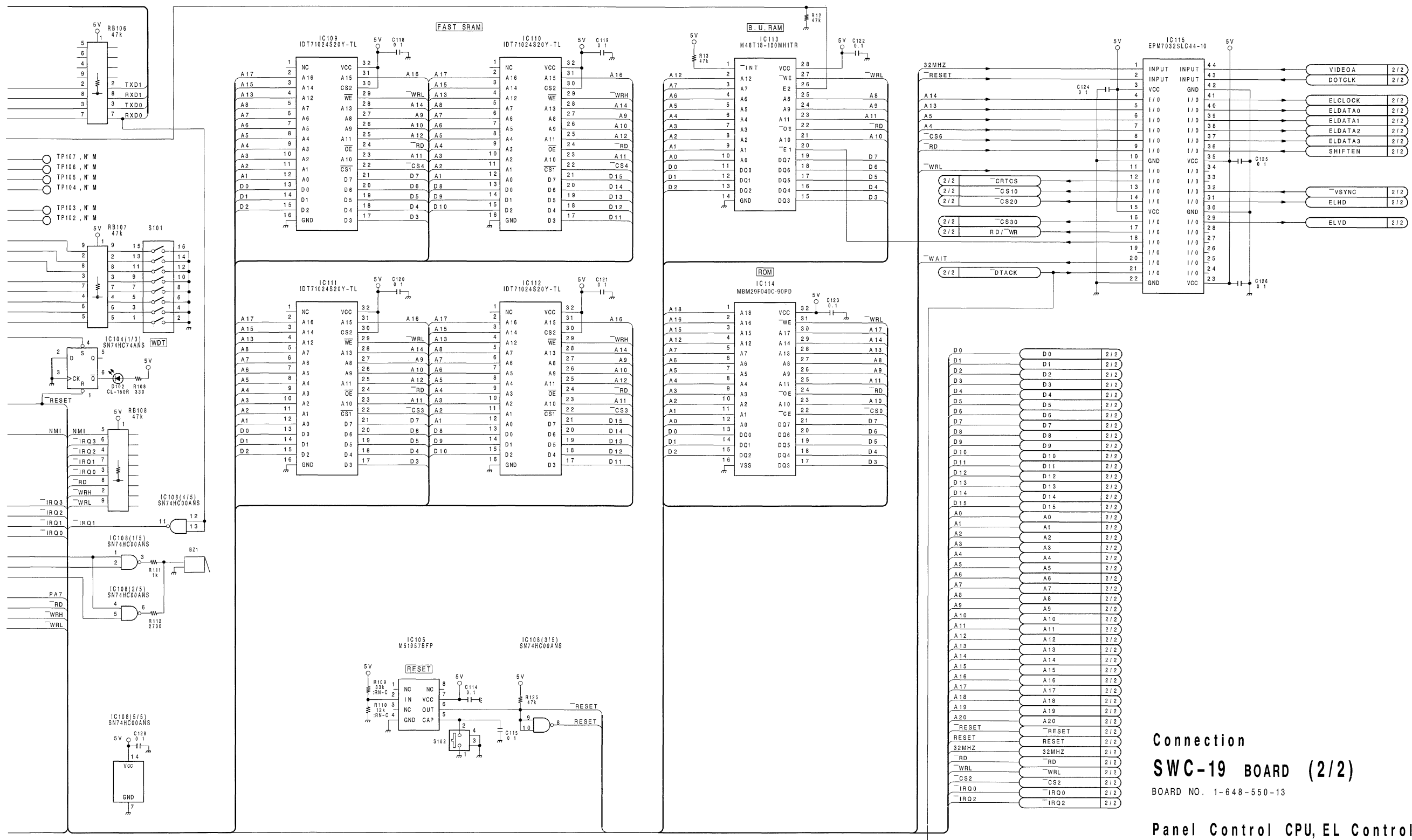
2

3

4

5





Connection

SWC-19 BOARD (2/2)

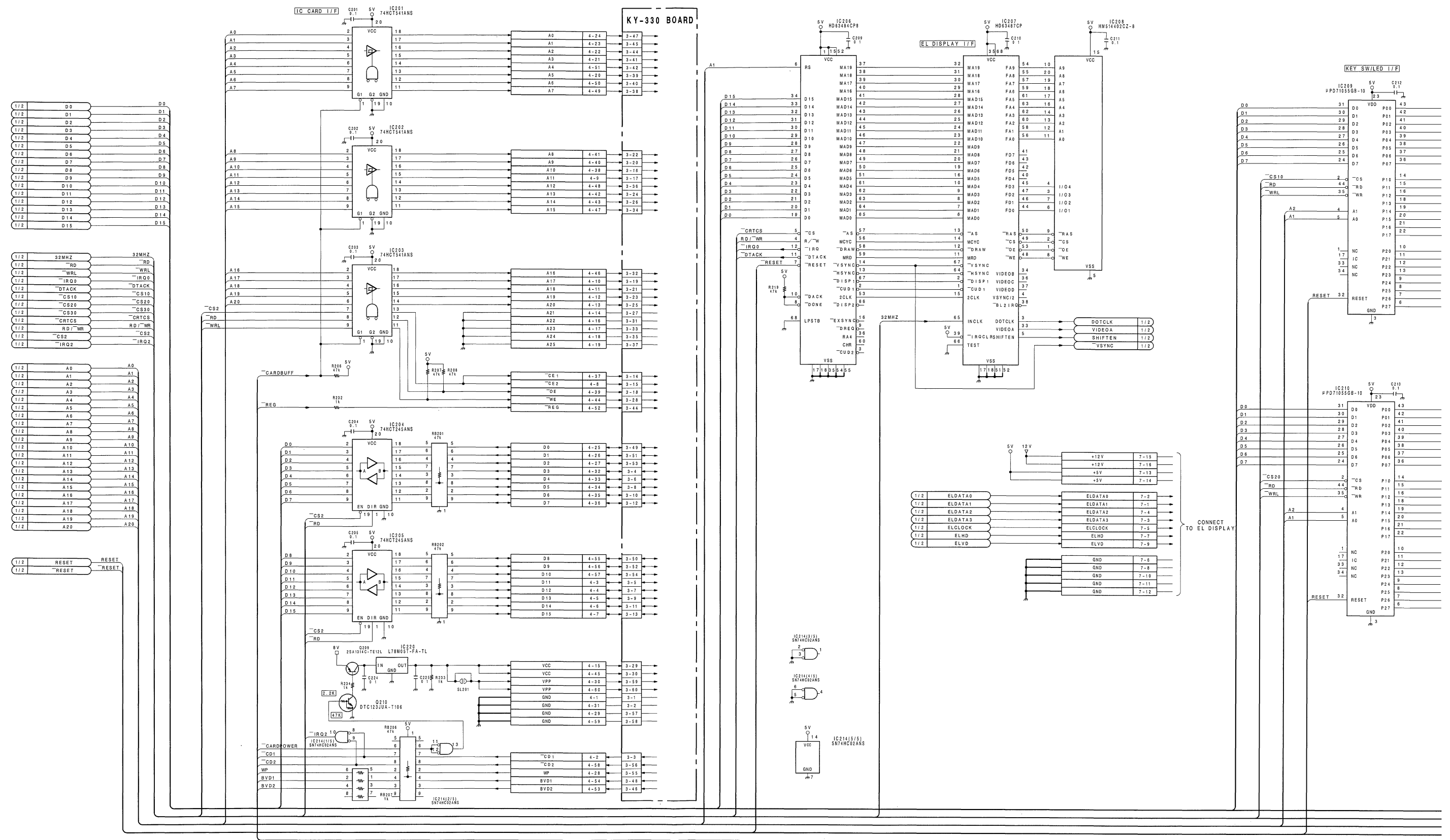
BOARD NO. 1-648-550-13

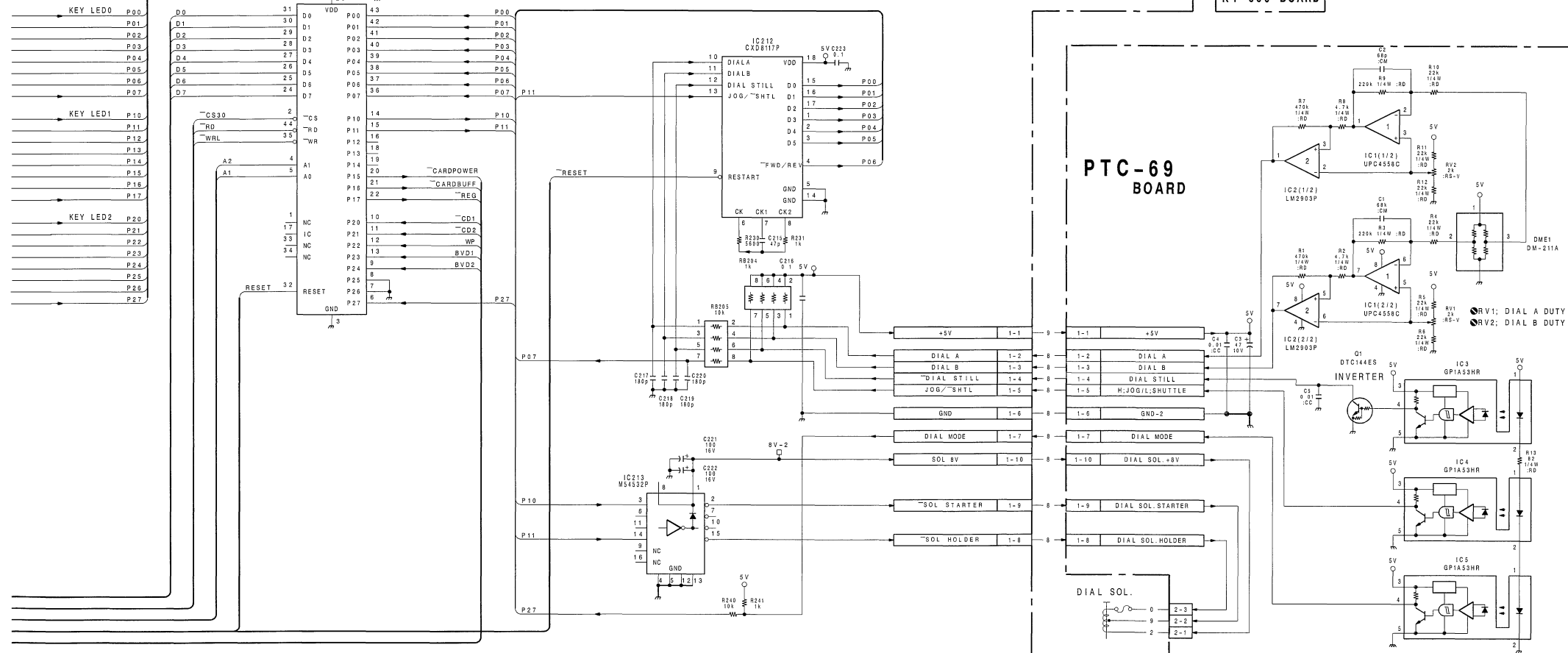
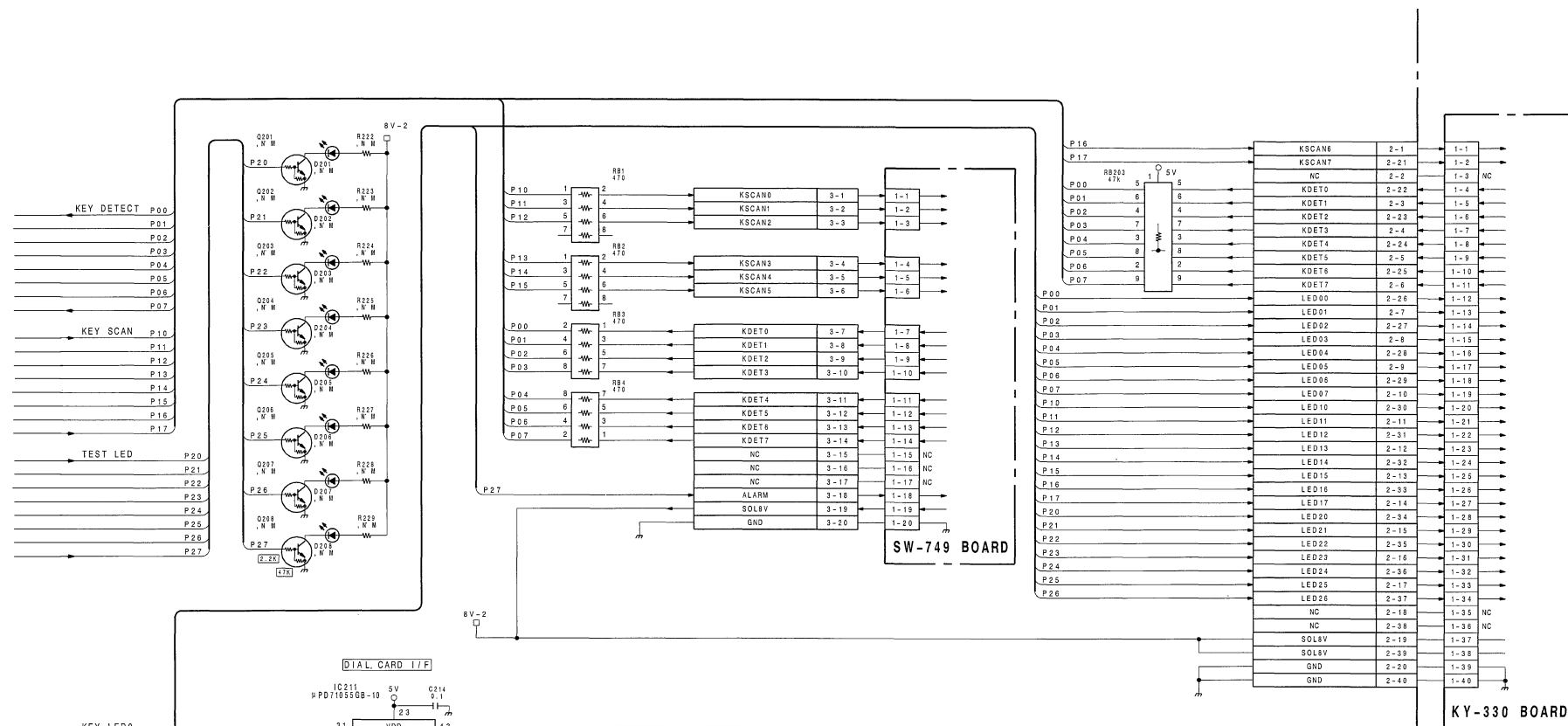
Panel Control CPU, EL Control

CP-266 BOARD (1/2)

BOARD NO. 1-658-037-11, 12
BKDW-515:CP-266 MCB:#10001-

[B-1 BKDW515-CP266-11]





NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED

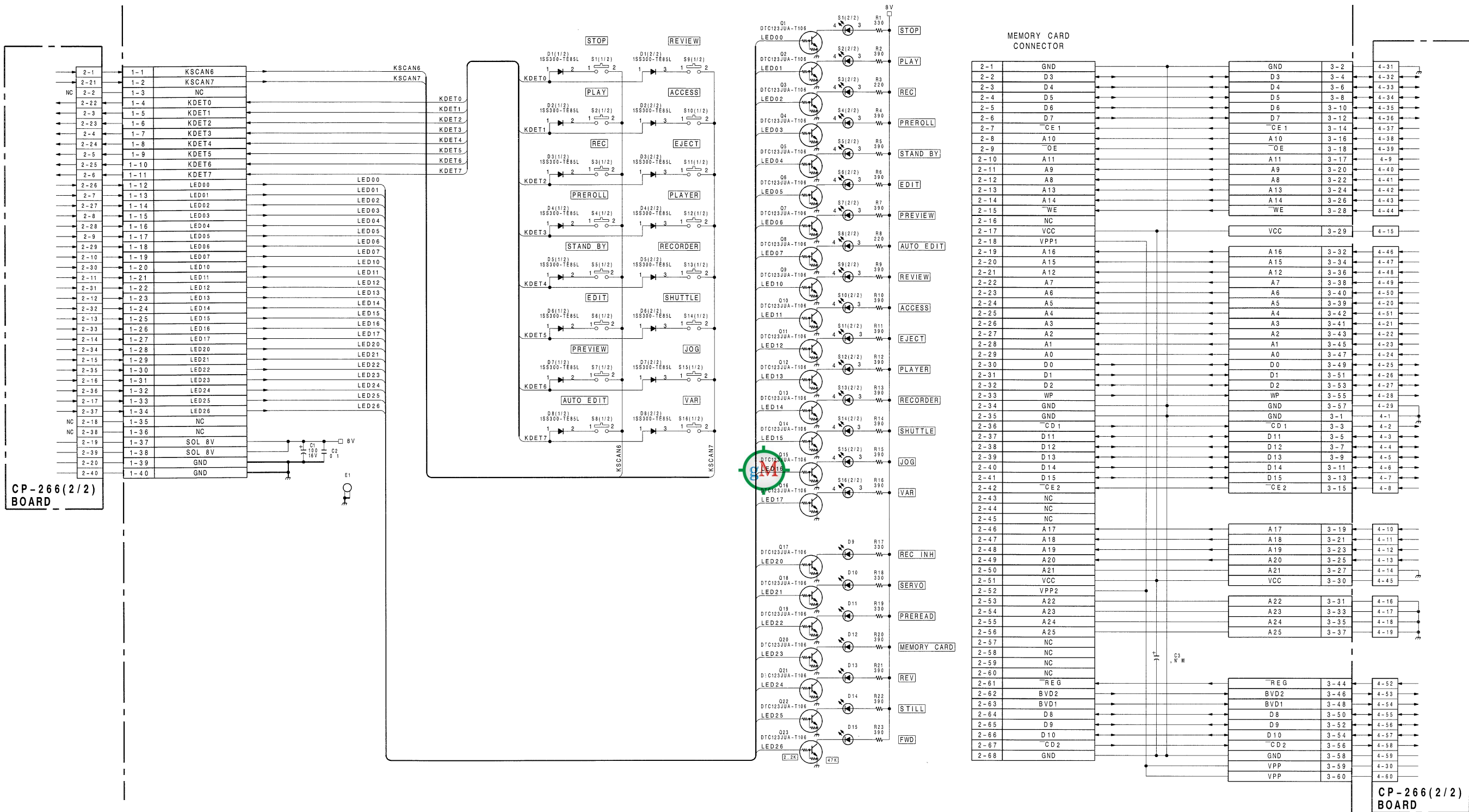
1

2

3

4

5

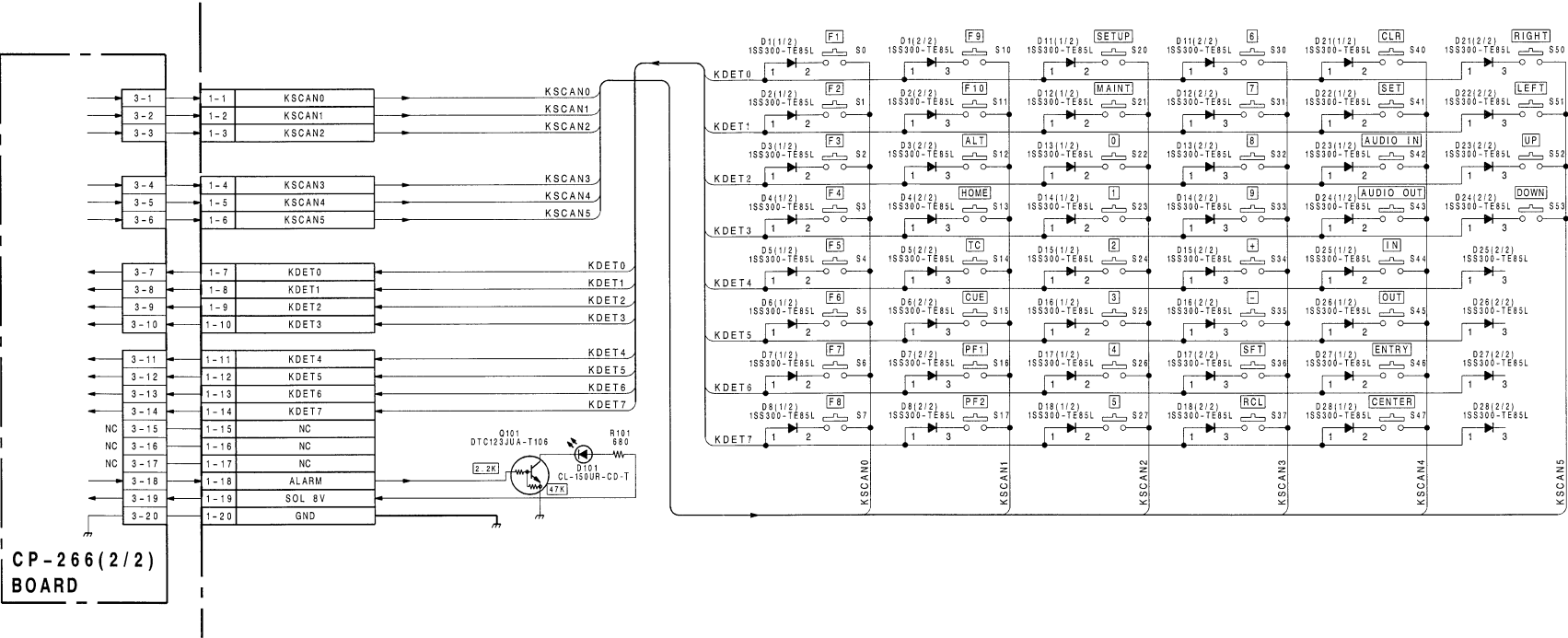


Editing Operation/Tape Transport Control,
Memory Card Connector

KY-330 BOARD

BOARD NO. 1-658-036-11
BKDW-515:KY-330 MCB:#10001-

B-1 BKDW515-KY330-11



Function Control
SW-749 BOARD

BOARD NO. 1-658-035-11
BKDW-515:SW-749 MCM:#10001-

B-1BKDW515-SW749-11

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SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer :

Check the metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 3.5 mA. Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 5.25 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 20 V AC range are suitable. (See Fig. A)

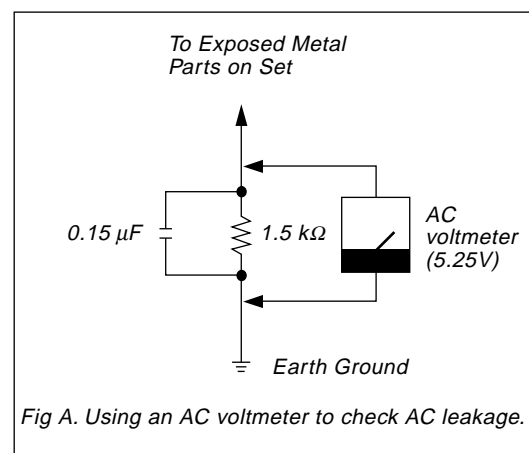


Fig A. Using an AC voltmeter to check AC leakage.

DVW-A500P (EK, UC)

DVW-500P (EK, UC)

DVW-A500P/1 (CE, UC)

DVW-500P/1 (CE, UC) E

9-967-528-06 (1)

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